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WORK INJURY & ILLNESS RATES 1989

National Safety Council

1988 Incidence Rates
Reporters to the
National Safety Council
Based on OSHA Recordkeeping Definitions

Prepared by Safety & Health Motivation Programs

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Introduction

BASIS OF DATA. The 1989 edition of Work Injury and Illness Rates is based on the definitions of recordable occupational injuries and illnesses of the RECORDKEEPING REQUIREMENTS UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, revised 1978. OSHA incidence rates are expressed as cases or days per 100 full-time employees (using 200,000 employee hours as the equivalent.)

For the Occupational Safety/Health Award Program, only recordable OSHA deaths and lost workday cases involving days away from work are used to determine "perfect records". However total OSHA recordable cases are also used in the Award Plan as one of the criteria for evaluating "nonperfect records".

OSHA lost workday cases measure only actual scheduled workdays of disability (generally five days per week) and OSHA has no schedule of time charges for deaths or permanent disability. See page 59 for OSHA definitions.

INDUSTRIAL CLASSIFICATION. Units are classified under the STANDARD INDUSTRIAL CLASSIFICATION MANUAL, 1972 edition. Reporting units are classified to the fourth digit of SIC codes. Incidence rates for four digit SIC codes are not published if the number of units or total employee hours reported do not meet publication criteria. Data for these units are included in the rates of industry division and two and three digit SIC codes when not shown separately.

OSHA recordkeeping requirements became effective July 1, 1971, and are mandatory for most U.S. employers. OSHA records are intended primarily for compliance purposes and include cases of lesser consequences that are less likely to be recorded uniformly.

Comments

Data in this booklet are the product of 6,998 Annual Summary of Occupational Injuries & Illnesses reports submitted to the National Safety Council by its members. This booklet also includes some data reprinted from the 1989 edition of Accident Facts.

Although the Council cannot verify the accuracy of individual reports, every effort is made to utilize correct reports. Employing both manual and computer editing of reported data, inconsistencies are detected and those reports returned for correction are not used until the appropriate changes have been made. For example, total cases recorded must be the sum of deaths, plus total lost workday cases, plus nonfatal cases without lost workdays.

In addition, the Annual Summary data are used for evaluation under the Occupational Safety/Health Award Program, provided all necessary data have been furnished.

For additional copies and price information write Customer Service, National Safety Council, 444 North Michigan Ave., Chicago, Illinois 60611 or call toll free, 1-800-621-7619. Please specify product no. 125.69 when requesting information.

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1988 ALL INDUSTRIES AND DIVISIONS SUMMARY

All Industries

Employees	3.4 Million
Employee Hours	6.9 Billion
Total Recordable Cases	302,883
Total Lost Workday Cases	123,295
Cases Involving Days Away	74,580
Nonfatal Cases	179,403
Total Lost Workdays	2,477,458
Days Away From Work	1,691,073
Deaths	185

Percentage Distribution by Industry Divisions

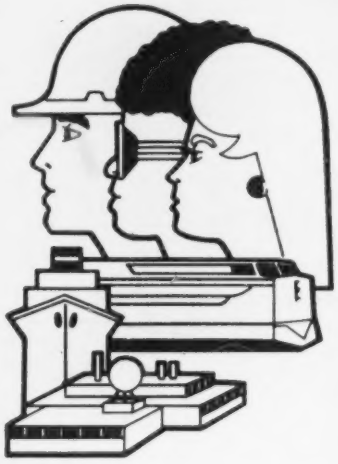
Industry	Employee Hours	Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
	%	%	%	%	%	%	%
Mining	3	2	1	1	2	2	2
Construction	3	4	4	5	4	4	5
Manufacturing	64	71	64	54	76	61	55
Nondurable	32	25	24	20	26	24	21
Durable	33	46	40	34	49	37	33
Transportation & public utilities	22	17	23	28	12	25	29
Trade	2	1	2	2	1	2	2
Services	3	2	2	3	2	1	2
Gen. Government	1	2	2	2	2	1	2

Deaths accounted for less than one-tenth of one percent of total cases. Agriculture, forestry and fishing, less than one percent in each category. Miscellaneous industries, not shown separately.

Source: Based on reports of National Safety Council members participating in the Occupational Safety/Health Award Program. This data should not be interpreted as representative of the industries listed or of Council members. Data compiled in accordance with the OSHA recordkeeping definitions.

1988 Incidence Rates[a] of Principal Industries

Recordable Occupational Injuries and Illnesses
Reporters to the National Safety Council



Incidence Rates[a] CASES INVOLVING DAYS AWAY FROM WORK & DEATHS		Incidence Rates[a] DAYS AWAY FROM WORK	
AGRICULTURAL CHEMICALS	.38 (2.59)[b]	[c](22) 13	AGRICULTURAL CHEMICALS
TEXTILE	.52 (6.17)	(23) 13	COMMUNICATION
CHEMICAL	.59 (3.59)	(27) 14	CHEMICAL
COMMUNICATION	.68 (1.89)	(38) 17	TEXTILE
OIL & GAS EXTRACTION	.74 (2.53)	(35) 21	ELECTRIC, ELECTRONIC EQUIP.
PETROLEUM & COAL PRODS.	.92 (4.45)	(49) 23	ELECTRIC SERVICE
ELECTRIC SERVICE	1.01 (5.04)	(41) 23	PETROLEUM & COAL PRODS.
NONMETALLIC MINERALS	1.03 (6.86)	(34) 26	OIL & GAS EXTRACTION
ELECTRIC, ELECTRONIC EQUIP.	1.12 (4.38)	(132) 27	FURNITURE & FIXTURES
PIPELINE TRANSPORTATION	1.30 (4.01)	(35) 28	SERVICES
NONFERROUS ROLLING, DRAWING	1.40 (12.20)	(51) 30	BITUMINOUS COAL
BITUMINOUS COAL	1.46 (9.51)	(40) 30	PIPELINE TRANSPORTATION
LEATHER	1.57 (9.14)	(78) 34	LEATHER
FURNITURE & FIXTURES	1.63 (17.47)	(63) 36	MACHINERY, EXC. ELECTRICAL
AIRCRAFT	1.65 (7.43)	(76) 36	NONFERROUS ROLLING, DRAWING
CEMENT	1.66 (7.99)	(55) 36	GAS
METAL MINING	1.85 (10.36)	(50) 38	NONMETALLIC MINERALS
SHIP & BOAT BUILDING	1.94 (13.63)	(58) 38	SHIP & BOAT BUILDING
MACHINERY, EXC. ELECTRICAL	1.95 (9.38)	(53) 39	AIRCRAFT
WHOLESALE & RETAIL TRADE	2.16 (6.82)	(54) 42	AIR TRANSPORTATION
ALL INDUSTRIES	2.17 (8.78)	(61) 44	CEMENT
FABRICATED METAL PRODS.	2.21 (12.38)	(58) 44	PRINTING & PUBLISHING
SERVICES	2.22 (4.99)	(64) 46	WHOLESALE & RETAIL TRADE
STEEL	2.30 (11.99)	(73) 47	FABRICATED METAL PRODUCTS
GAS	2.42 (6.57)	(72) 49	ALL INDUSTRIES
PAPER	2.42 (10.65)	(86) 55	RUBBER & PLASTICS
RUBBER & PLASTICS	2.58 (8.91)	(107) 66	FOOD
PRINTING & PUBLISHING	2.66 (8.32)	(90) 67	PAPER
AIR TRANSPORTATION	2.78 (6.52)	(77) 65	METAL MINING
PRIMARY NONFERROUS METALS	2.78 (16.05)	(101) 68	STONE, CLAY & GLASS
STONE, CLAY & GLASS	2.91 (12.70)	(121) 71	PRIMARY NONFERROUS METALS
FOOD	3.10 (15.27)	(137) 72	IRON & STEEL FOUNDRIES
IRON & STEEL FOUNDRIES	3.30 (29.90)	(93) 77	CONSTRUCTION
LUMBER & WOOD PRODUCTS	3.32 (10.75)	(107) 77	STEEL
CONSTRUCTION	3.32 (10.97)	(163) 88	MEAT PRODUCTS
WATER TRANSPORTATION	3.72 (8.77)	(126) 100	LUMBER & WOOD PRODUCTS
MEAT PRODUCTS	4.38 (27.04)	(128) 116	GENERAL GOVERNMENT
RAILROAD EQUIPMENT	4.88 (17.28)	(123) 116	RAILROAD EQUIPMENT
RAILROAD TRANSPORTATION	5.04 (7.32)	(188) 118	MOTOR VEHICLES
MOTOR VEHICLES	5.62 (32.47)	(156) 155	WATER TRANSPORTATION
GENERAL GOVERNMENT	5.92 (18.82)	(255) 188	RAILROAD TRANSPORTATION
TRANSIT	11.25 (16.90)	(214) 213	TRANSIT
TRUCKING[d]	16.55 (23.64)	(293) 292	TRUCKING[d]

Source: Based on reports of National Safety Council members participating in the *Occupational Safety/ Health Award Program*. These rates should not be interpreted as representative of the industries listed or of Council member companies. Data compiled in accordance with OSHA recordkeeping definitions.

[a]Incidence rates per 100 full-time employees, using 200,000 employee hous as the equivalent.

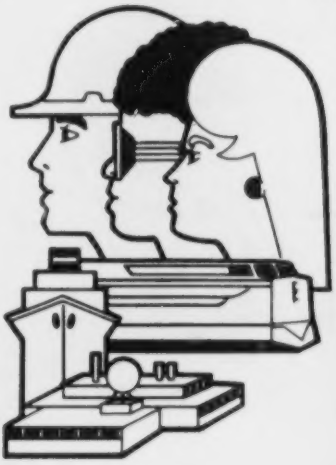
[b]Rates in parenthesis are Total Recordable Cases.

[c]Rates in parenthesis are Total Lost Workdays.

[d]Excludes SIC code 4215

1988 Incidence Rates[a] of Principal Industries

Recordable Occupational Injuries and Illnesses
Reporters to the National Safety Council



Incidence Rates[a]
CASES INVOLVING DAYS AWAY FROM WORK & DEATHS

COMMUNICATION	.86
AGRICULTURAL CHEMICALS	.90
OIL & GAS EXTRACTION	1.07
CHEMICAL	1.42
PIPELINE TRANSPORTATION	1.51
NONMETALLIC MINERALS	1.74
BITUMINOUS COAL	1.75
ELECTRIC, ELECTRONIC EQUIP.	1.76
PETROLEUM & COAL PRODS.	1.77
METAL MINING	2.03
TEXTILE	2.17
CEMENT	2.27
SERVICES	2.34
ELECTRIC SERVICE	2.39
AIRCRAFT	2.60
MACHINERY, EXC. ELECTRICAL	3.38
GAS	3.38
WHOLESALE & RETAIL TRADE	3.46
AIR TRANSPORTATION	3.46
ALL INDUSTRIES	3.58
PAPER	3.66
PRINTING & PUBLISHING	3.69
WATER TRANSPORTATION	3.74
STEEL	3.97
NONFERROUS ROLLING, DRAWING	4.07
CONSTRUCTION	4.28
RUBBER & PLASTICS	4.29
FABRICATED METAL PRODUCTS	4.41
LUMBER & WOOD PRODUCTS	4.47
LEATHER	4.68
STONE, CLAY & GLASS	4.98
SHIP & BOAT BUILDING	5.23
RAILROAD EQUIPMENT	5.28
FOOD	5.52
PRIMARY NONFERROUS METALS	5.64
RAILROAD TRANSPORTATION	5.72
FURNITURE & FIXTURES	6.76
GENERAL GOVERNMENT	6.77
IRON & STEEL FOUNDRIES	8.09
MEAT PRODUCTS	10.27
TRANSIT	11.25
MOTOR VEHICLES	11.50
TRUCKING[b]	15.56

Incidence Rates[a]
DAYS AWAY FROM WORK

22	AGRICULTURAL CHEMICALS
23	COMMUNICATION
27	CHEMICAL
34	OIL & GAS EXTRACTION
35	ELECTRIC, ELECTRONIC EQUIP.
35	SERVICES
38	TEXTILE
40	PIPELINE TRANSPORTATION
41	PETROLEUM & COAL PRODS.
49	ELECTRIC SERVICE
50	NONMETALLIC MINERALS
51	BITUMINOUS COAL
53	AIRCRAFT
54	AIR TRANSPORTATION
55	GAS
58	PRINTING & PUBLISHING
58	SHIP & BOAT BUILDING
61	CEMENT
63	MACHINERY, EXC. ELECTRICAL
64	WHOLESALE & RETAIL TRADE
72	ALL INDUSTRIES
73	FABRICATED METAL PRODS.
76	NONFERROUS ROLLING, DRAWING
77	METAL MINING
78	LEATHER
86	RUBBER & PLASTICS
90	PAPER
93	CONSTRUCTION
101	STONE, CLAY & GLASS
107	FOOD
107	STEEL
121	PRIMARY NONFERROUS METALS
123	RAILROAD EQUIPMENT
126	LUMBER & WOOD PRODUCTS
128	GENERAL GOVERNMENT
132	FURNITURE & FIXTURES
137	IRON & STEEL FOUNDRIES
158	WATER TRANSPORTATION
163	MEAT PRODUCTS
188	MOTOR VEHICLES
205	RAILROAD TRANSPORTATION
214	TRANSIT
283	TRUCKING[b]

Source: Based on reports of National Safety Council members participating in the *Occupational Safety/Health Award Program*. These rates should not be interpreted as representative of the industries listed or of Council member companies. Data compiled in accordance with OSHA recordkeeping definitions.

[a]Incidence rates per 100 full-time employees, using 200,000 employee hours as the equivalent.

[b]Excludes SIC code 4215

1988 Incidence Rates[a] of Principal Industries

Recordable Occupational Injuries and Illnesses
Reporters to the National Safety Council

Industry[b]	SIC[c] Code	Incidence Rates per 100 Full-Time Employees[a]							Avg. Days Per Case	
		Total Recordable Cases	Deaths	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work	Total Lost Workdays	Days Away From Work
All Industries		**8.78**	**.0054**	**3.58**	**2.17**	**5.20**	**72**	**49**	**20**	**23**
Agriculture, forestry and fishing	01-09	**10.59**	**.0156**	**4.22**	**3.50**	**6.35**	**82**	**58**	**20**	**16**
Mining	10-14	**5.37**	**.0106**	**1.43**	**1.06**	**3.93**	**46**	**36**	**32**	**34**
Metal Mining	10	10.36	.0000	2.03	1.85	8.33	77	65	38	35
Bituminous coal & lignite mining	12	9.51	.0139	1.75	1.46	7.74	51	30	29	21
Oil & gas extraction	13	2.58	.0153	1.07	.74	1.49	34	26	32	36
Nonmetallic minerals, exc. fuels	14	6.86	.0061	1.74	1.03	5.12	50	38	29	37
Construction	15-17	**10.97**	**.0099**	**4.28**	**3.32**	**6.68**	**93**	**77**	**22**	**23**
Manufacturing	20-39	**9.59**	**.0041**	**3.56**	**1.84**	**6.13**	**68**	**42**	**19**	**23**
Nondurable Goods		7.00	.0052	2.68	1.37	4.32	54	33	20	24
Food & kindred products	20	15.27	.0048	5.52	3.10	9.75	107	66	19	21
Meat products	201	27.04	.0000	10.27	4.38	16.76	163	88	16	20
Textile mill products	22	6.17	.0023	2.17	.52	3.99	38	17	17	33
Paper & allied products	26	10.65	.0040	3.66	2.42	6.98	90	67	24	28
Printing & publishing	27	8.32	.0041	3.69	2.66	4.62	58	44	16	17
Chemicals & allied products	28	3.59	.0051	1.42	.59	2.16	27	14	19	24
Agricultural chemicals	287	2.59	.0144	.90	.38	1.68	22	13	24	36
Petroleum & coal products	29	4.45	.0173	1.77	.92	2.67	41	23	23	25
Rubber & misc. plastics products	30	8.91	.0032	4.29	2.58	4.62	86	55	20	22
Leather & leather products	31	9.14	.0000	4.68	1.57	4.46	78	34	17	22
Durable Goods		12.31	.0030	4.42	2.29	7.88	82	50	19	22
Lumber & wood products	24	10.75	.0140	4.47	3.32	6.27	126	100	28	30
Furniture & fixtures	25	17.47	.0000	6.76	1.63	10.71	132	27	19	17
Stone, clay & glass products	32	12.70	.0057	4.99	2.91	7.71	101	68	20	24
Cement, hydraulic	324	7.99	.0382	2.27	1.66	5.68	61	44	27	27
Blast furnace, basic steel prods	331	11.99	.0046	3.97	2.30	8.01	107	77	27	34
Iron & steel foundries	332	29.90	.0136	8.08	3.30	21.80	137	72	17	22
Primary nonferrous metals	333	16.05	.0119	5.64	2.78	10.40	121	71	22	26
Nonferrous rolling, drawing	335	12.20	.0024	4.07	1.40	8.13	76	36	19	26
Fabricated metal products	34	12.38	.0014	4.41	2.21	7.96	73	47	17	21
Machinery, except electrical	35	9.38	.0030	3.38	1.95	6.00	63	36	19	18
Electric & electronic equipment	36	4.38	.0010	1.76	1.12	2.62	35	21	20	18
Motor vehicles & equipment	371	32.47	.0000	11.50	5.62	20.97	188	118	16	21
Aircraft & parts	372	7.43	.0000	2.60	1.65	4.82	53	39	20	23
Ship & boat building & repair	373	13.63	.0000	5.23	1.94	8.40	58	38	11	20
Railroad equipment	374	17.28	.0203	5.28	4.88	11.97	123	116	23	24
Transportation & Public Utilities	40-49	**6.61**	**.0064**	**3.76**	**2.75**	**2.85**	**83**	**63**	**22**	**23**
Railroad transportation	40	7.32	.0135	5.72	5.04	1.59	205	188	36	37
Local & suburban transit	411	16.90	.0000	11.25	11.25	5.66	214	213	19	19
Trucking, local & long distance	421	23.64	.0116	16.56	16.55	7.06	293	292	18	18
Water transportation	44	6.77	.0272	3.74	3.72	3.00	156	155	42	42
Air transportation	45	6.52	.0000	3.46	2.78	3.06	54	42	16	15
Pipeline transportation	46	4.01	.0000	1.51	1.30	2.51	40	30	27	23
Communication	48	1.89	.0000	.86	.68	1.03	23	13	27	20
Electric service	491	5.04	.0050	2.39	1.01	2.65	49	23	20	23
Gas production & distribution	492	6.57	.0028	3.38	2.42	3.18	55	36	16	15
Wholesale & Retail Trade	50-59	**6.62**	**.0118**	**3.46**	**2.16**	**3.16**	**64**	**46**	**19**	**21**
Services	70-89	**4.99**	**.0000**	**2.34**	**2.22**	**2.64**	**35**	**28**	**15**	**13**
General Government	9199	**18.82**	**.0036**	**6.77**	**5.92**	**12.05**	**128**	**116**	**19**	**20**
Offices	0001	2.28	.0028	1.09	.81	1.18	17	13	15	16
Research & development or labs	0002	2.61	.0013	.91	.53	1.70	13	7	15	14
Warehouse	0003	5.65	.0000	2.08	1.37	3.57	50	34	24	25

Source: Based on reports of National Safety Council members participating in the *Occupational Safety/Health Award Program.* These rates should not be interpreted as representative of the industries listed or of Council member companies.

[a] Categories are based on OSHA definitions. 200,000 employee hours are used as the equivalent of 100 full-time employees.

[b] *Standard Industrial Classification (SIC) Manual*, 1972 edition.

[c] Totals may include 2, 3 or 4 digit SIC codes not shown separately.

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council.

SIC CODE[b] & Industry[c]			Incidence Rates per 100 Full-Time Employees[a]					
	Years	No. of Units	Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
	ALL INDUSTRIES							
	1986-88		7.79	3.22	2.14	4.56	64	46
	88	6,998	8.78	3.58	2.17	5.20	72	49
	87	7,754	7.74	3.17	2.00	4.57	65	46
	86	8,166	7.00	2.97	2.23	4.02	58	44
	85	8,807	6.41	2.78	2.06	3.63	53	41
	84	8,918	7.00	2.99	2.23	4.01	56	43
	83	9,305	7.00	3.00	2.26	3.99	57	43
	82	9,298	7.27	3.14	2.40	4.12	58	47
	81	9,337	7.10	3.17	2.34	3.92	57	45
	80	9,269	7.87	3.59	2.81	4.27	63	51
	79	9,798	7.99	3.57	2.73	4.41	64	50
	78	10,453	8.19	3.59	2.69	4.59	64	50
	77	10,325	8.29	3.41	2.56	4.88	61	48
	76	9,838	9.10	3.34	2.34	5.75	60	45
	75	8,959	8.93	3.00	2.14	5.93	56	42
	AGRICULTURE, FORESTRY, AND FISHING (01-09)							
	1986-88		10.97	4.90	3.70	6.03	92	73
	88	39	10.59	4.22	3.50	6.35	82	56
01	**AGRICULTURAL PRODUCTION-CROPS**							
	1986-88		15.33	6.68	4.03	8.61	99	60
	88	10	15.40	5.27	3.60	10.14	91	35
013	**FIELD CROPS, EXCEPT CASH GRAINS**							
	1986-88		16.89	6.53	4.90	10.30	72	57
	88	4	15.21	4.30	4.19	10.91	36	32
07	**AGRICULTURAL SERVICES**							
	1986-88		17.15	12.38	12.38	4.77	308	302
	88	5	14.52	9.24	9.24	5.28	152	139
08	**FORESTRY**							
	1986-88		5.13	1.76	1.69	3.33	54	50
	88	19	4.02	1.06	.85	2.92	53	46
081	**TIMBER TRACTS**							
	1986-88		4.12	.60	.60	3.47	32	30
	88	4	3.79	.51	.63	3.16	66	65
085	**FORESTRY SERVICES**							
	1986-88		3.58	1.30	1.21	2.26	47	43
	88	10	3.24	.88	.39	2.36	26	13
	MINING (10-14)							
	1986-88		5.84	1.63	1.26	4.20	50	41
	88	489	5.37	1.43	1.06	3.93	46	36
	87	550	6.44	1.72	1.29	4.72	52	41
	86	569	5.67	1.71	1.38	3.95	51	44
	85	595	5.68	1.84	1.55	3.84	52	47
	84	555	5.14	1.65	1.42	3.47	53	47
	83	604	5.26	1.69	1.49	3.56	48	44
	82	597	6.01	1.96	1.73	4.03	63	58
	81	586	7.06	2.26	1.94	4.78	58	53
	80	582	7.88	2.52	2.22	5.34	71	65
	79	598	8.55	2.83	2.48	5.70	81	75
	78	571	10.38	3.21	2.82	7.14	92	86
	77	537	11.28	2.82	2.53	8.41	80	76
	76	495	10.50	2.46	2.22	8.02	82	79
	75	447	10.51	2.40	2.17	8.09	81	76
10	**METAL MINING**							
	1986-88		12.23	2.59	2.16	9.62	92	76
	88	50	10.36	2.03	1.85	8.33	77	65
	87	56	13.05	2.78	2.20	10.25	99	80
	86	52	13.31	2.98	2.45	10.30	101	84
	85	69	11.91	2.94	2.07	8.94	89	76
	84	77	11.51	3.37	2.65	8.10	103	91
	83	98	10.76	3.12	2.71	7.61	105	93
	82	110	9.89	3.16	2.62	6.72	128	117
	81	126	11.51	3.50	2.91	7.99	102	91
	80	128	12.24	3.61	2.94	8.61	104	92
	79	132	11.65	3.65	2.62	7.99	101	87
101	**IRON ORES**							
	1986-88		14.62	2.38	1.87	12.22	52	47
	88	11	9.53	2.65	1.93	6.88	65	55

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
102 COPPER ORES								
	1986-88		10.61	4.00	3.98	6.60	129	128
	88	11	10.50	4.17	4.17	6.33	141	141
104 GOLD AND SILVER ORES								
	1986-88		9.85	6.05	1.75	3.75	128	45
	88	4	3.34	1.40	1.40	1.94	14	14
109 MISCELLANEOUS METAL ORES								
	1986-88		16.09	2.68	2.59	13.40	179	138
	86	16	11.47	1.14	1.10	10.33	116	75
12 BITUMINOUS COAL AND LIGNITE MINING								
	1986-88		10.51	2.89	2.59	7.61	96	73
	88	25	9.51	1.75	1.46	7.74	51	30
	87	41	11.03	2.73	2.55	8.31	116	89
	86	43	10.56	3.73	3.29	6.81	102	83
	85	59	11.41	4.72	4.62	6.67	134	122
	84	52	8.08	1.72	1.63	6.34	90	80
	83	53	5.12	2.58	2.61	2.50	57	56
	82	47	6.57	3.40	3.29	3.14	81	79
	81	38	5.71	2.46	2.49	3.23	91	91
	80	32	7.44	3.02	3.07	4.35	81	79
	79	45	8.16	3.79	3.62	4.35	98	96
13 OIL AND GAS EXTRACTION								
	1986-88		2.99	1.09	.76	1.90	30	24
	88	172	2.58	1.07	.74	1.49	34	26
	87	166	3.31	1.12	.70	2.20	22	17
	86	186	3.03	1.08	.81	1.94	33	29
	85	194	3.63	1.22	1.03	2.40	32	29
	84	182	3.25	1.22	1.11	2.01	38	35
	83	196	3.66	1.17	1.04	2.49	29	27
	82	186	4.41	1.35	1.24	3.04	39	37
	81	174	4.65	1.49	1.31	3.14	31	29
	80	179	5.03	1.59	1.49	3.42	49	46
	79	173	5.08	1.74	1.66	3.31	48	46
131 CRUDE PETROLEUM AND NATURAL GAS								
	1986-88		2.79	1.12	.73	1.66	23	18
	88	111	2.35	1.02	.66	1.31	27	19
132 NATURAL GAS LIQUIDS								
	1986-88		1.46	.26	.23	1.18	8	6
	88	29	1.92	.18	.22	1.70	5	5
138 OIL AND GAS FIELD SERVICES								
	1986-88		4.57	1.28	1.09	3.28	68	63
	88	28	3.82	1.58	1.25	2.22	72	62
1381 DRILLING OIL AND GAS WELLS								
	1986-88		12.62	5.24	3.93	7.36	316	304
	88	15	11.26	6.03	4.24	5.25	261	244
1382 OIL AND GAS EXPLORATION SERVICES								
	1986-88		.74	.23	.22	.51	5	3
	88	10	.58	.13	.13	.46	1	1
1389 OIL AND GAS FIELD SERVICES, NEC								
	1986-88		4.31	.76	.78	3.54	33	30
	88	3	2.73	.72	.74	1.99	39	26
14 NONMETALLIC MINERALS, EXCEPT FUELS								
	1986-88		6.57	1.81	1.32	4.76	51	42
	88	242	6.86	1.74	1.03	5.12	50	38
	87	287	6.89	1.93	1.44	4.96	59	50
	86	288	6.02	1.75	1.47	4.26	44	37
	85	273	5.64	1.68	1.28	3.95	57	48
	84	243	5.79	1.96	1.53	3.80	48	39
	83	256	7.19	2.25	1.82	4.92	79	71
	82	253	8.02	2.50	2.06	5.51	83	73
	81	247	7.87	2.77	2.32	5.09	65	56
	80	242	9.20	3.53	3.13	5.64	82	75
	79	247	14.19	4.51	4.42	9.67	148	143
142 CRUSHED AND BROKEN STONE								
	1986-88		8.31	1.68	1.52	6.63	45	42
	88	136	8.09	1.47	1.21	6.62	41	36
1422 CRUSHED AND BROKEN LIMESTONE								
	1986-88		7.42	1.34	1.19	6.08	39	37
	88	113	7.00	1.03	.89	5.97	31	27

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]					
			Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
1429	CRUSHED AND BROKEN STONE, NEC							
	1986-88		9.34	2.18	2.18	7.16	50	50
	88	13	10.38	2.51	2.51	7.87	47	47
144	SAND AND GRAVEL							
	1986-88		13.02	3.19	3.05	9.84	109	107
	88	66	12.27	2.73	2.54	9.55	123	120
1442	CONSTRUCTION SAND AND GRAVEL							
	1986-88		12.34	3.55	3.45	8.79	71	70
	88	46	11.46	3.23	3.00	8.23	88	84
1446	INDUSTRIAL SAND							
	1986-88		13.99	2.67	2.49	11.32	163	160
	88	20	13.30	2.10	1.96	11.20	167	165
147	CHEMICAL AND FERTILIZER MINERALS							
	1986-88		4.82	1.53	.71	3.29	47	31
	88	18	5.33	1.65	.59	3.68	42	24
1474	POTASH, SODA, AND BORATE MINERALS							
	1986-88		4.41	1.70	.49	2.70	45	23
	88	8	4.67	1.83	.52	2.84	47	26
1475	PHOSPHATE ROCK							
	1986-88		4.94	.77	.45	4.16	36	31
	88	4	5.86	.67	.11	5.19	19	11
149	MISCELLANEOUS NONMETALLIC MINERALS							
	1986-88		6.85	2.89	2.92	3.93	57	56
	88	9	9.41	2.69	2.82	6.58	89	88
	CONSTRUCTION (15-17)							
	1986-88		9.91	3.93	3.40	5.97	84	74
	88	274	10.97	4.28	3.32	6.68	93	77
	87	289	8.82	3.47	2.88	5.34	78	69
	86	313	10.03	4.03	3.76	5.99	83	76
	85	304	9.46	3.57	3.32	5.87	65	60
	84	309	11.31	4.41	3.91	6.88	91	77
	83	367	11.49	4.15	3.83	7.32	101	76
	82	397	10.61	3.83	3.48	6.77	71	66
	81	337	10.57	4.22	3.53	6.32	71	64
	80	307	11.61	4.54	4.31	7.05	73	68
	79	314	12.87	4.26	4.05	8.58	89	82
	78	380	11.69	4.02	3.81	7.65	96	89
	77	393	13.46	4.29	4.14	9.14	85	80
	76	356	14.03	3.66	3.26	10.33	94	86
	75	310	15.25	3.15	2.85	12.07	75	65
15	GENERAL BUILDING CONTRACTORS							
	1986-88		10.71	3.75	3.13	6.96	94	84
	88	50	13.13	4.88	3.81	8.25	117	101
154	NONRESIDENTIAL BUILDING CONSTRUCTION							
	1986-88		8.92	3.16	2.63	5.75	80	71
	88	34	9.13	3.37	2.61	5.75	83	68
1541	INDUSTRIAL BUILDINGS AND WAREHOUSES							
	1986-88		6.63	2.40	1.74	4.22	55	44
	88	22	7.13	2.52	1.57	4.61	58	41
1542	NONRESIDENTIAL CONSTRUCTION, NEC							
	1986-88		19.49	5.67	5.69	13.78	189	189
	88	8	20.64	6.54	6.54	14.09	185	185
16	HEAVY CONSTRUCTION CONTRACTORS							
	1986-88		9.62	3.93	3.40	5.68	82	72
	88	195	10.09	4.10	3.13	5.98	86	70
	87	206	8.59	3.42	2.80	5.15	76	66
	86	217	10.01	4.15	3.87	5.84	83	76
	85	180	9.12	3.49	3.25	5.62	59	54
	84	280	10.71	4.25	3.78	6.44	78	69
	83	246	10.58	4.14	3.88	6.42	69	63
	82	197	9.20	3.38	2.93	5.81	63	58
	81	166	9.69	4.26	3.37	5.41	69	61
	80	185	11.37	4.48	4.25	6.87	71	65
	79	208	11.82	3.95	3.83	7.85	84	77
161	HIGHWAY AND STREET CONSTRUCTION							
	1986-88		11.26	4.99	4.62	6.25	93	83
	88	101	9.25	4.18	3.51	5.06	87	71
1612	STATE HIGHWAY DEPARTMENT							
	1986-88		9.49	4.17	4.03	5.29	62	57
	88	33	8.13	3.80	3.60	4.31	53	42

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
1613	**COUNTY HIGHWAY DEPARTMENTS**							
	1986-88		15.42	7.62	7.51	7.79	118	101
	88	5	12.77	6.50	6.39	6.27	114	71
1614	**MUNICIPAL STREET DEPARTMENTS**							
	1986-88		27.88	13.71	13.19	14.14	268	229
	88	8	20.33	9.03	8.54	11.29	339	259
162	**HEAVY CONSTRUCTION, EXCEPT HIGHWAY**							
	1986-88		7.84	2.95	2.20	4.88	68	58
	88	77	9.31	3.93	2.39	5.37	79	59
1622	**BRIDGE, TUNNEL, & ELEVATED HIGHWAY**							
	1986-88		20.92	5.72	5.11	15.18	157	143
	88	8	24.26	8.71	7.07	15.54	229	188
1623	**WATER, SEWER, AND UTILITY LINES**							
	1986-88		19.08	6.68	6.08	12.36	139	123
	88	16	17.45	6.29	6.02	11.13	121	109
1629	**HEAVY CONSTRUCTION, NEC**							
	1986-88		6.59	2.46	1.98	4.13	56	50
	88	44	7.84	3.05	1.99	4.79	67	53
17	**SPECIAL TRADE CONTRACTORS**							
	1986-88		13.36	4.62	4.56	8.73	98	95
	88	29	16.66	4.59	4.54	12.07	96	95
173	**ELECTRICAL WORK**							
	1986-88		7.96	1.99	1.86	5.97	33	31
	88	9	12.17	1.57	1.43	10.59	6	5
179	**MISC. SPECIAL TRADE CONTRACTORS**							
	1986-88		12.64	3.63	3.61	8.99	96	96
	88	9	18.51	5.77	5.77	12.74	130	130
	MANUFACTURING (20-39)							
	1986-88		8.04	2.99	1.69	5.04	59	38
	88	4,361	9.69	3.56	1.84	6.13	68	42
	87	4,942	8.19	3.03	1.64	5.15	60	39
	86	5,191	6.44	2.46	1.61	3.98	49	34
	85	5,711	5.86	2.39	1.62	3.47	45	33
	84	5,838	6.29	2.49	1.71	3.79	46	35
	83	6,247	6.32	2.48	1.74	3.83	47	36
	82	6,280	6.69	2.64	1.92	4.05	49	39
	81	6,292	7.53	3.06	2.20	4.46	57	45
	80	6,224	8.13	3.31	2.39	4.82	62	49
	79	6,615	8.55	3.50	2.45	5.04	63	48
	78	7,216	8.56	3.41	2.32	5.14	61	45
	77	7,157	8.59	3.15	2.16	5.44	58	44
	76	6,888	10.20	3.46	2.27	6.73	61	44
	75	6,319	10.13	3.14	2.11	6.99	57	43
	NONDURABLE GOODS (20-23, 26-31)							
	1986-88		6.35	2.42	1.39	3.92	50	33
	88	2,671	7.00	2.68	1.37	4.32	54	33
	87	3,097	6.72	2.55	1.44	4.17	54	36
	86	3,139	5.35	2.06	1.34	3.29	44	31
	85	3,432	4.72	1.89	1.32	2.83	39	29
	84	3,417	4.99	2.05	1.47	2.93	42	32
	83	3,617	5.05	2.02	1.48	3.02	42	32
	82	3,607	5.40	2.20	1.66	3.20	45	36
	81	3,579	6.14	2.59	1.97	3.54	52	43
	80	3,522	6.43	2.62	2.01	3.81	52	43
	79	3,789	7.05	2.78	2.04	4.26	53	42
20	**FOOD AND KINDRED PRODUCTS**							
	1986-88		11.80	4.63	3.07	7.18	91	63
	88	372	15.27	5.52	3.10	9.75	107	66
	87	508	11.36	4.60	3.16	6.76	93	67
	86	492	9.30	3.88	2.95	5.42	74	57
	85	540	9.47	4.10	3.26	5.36	81	64
	84	561	9.71	4.29	3.41	5.42	84	68
	83	610	9.93	4.18	3.46	5.74	85	70
	82	617	10.04	4.38	3.65	5.65	83	69
	81	649	11.46	4.96	4.18	6.49	89	77
	80	645	12.71	5.23	4.52	7.47	96	85
	79	712	13.28	5.39	4.71	7.88	96	84

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a] Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
201 MEAT PRODUCTS								
	1986-88		21.63	8.41	4.30	13.23	139	82
	88	41	27.04	10.27	4.38	16.76	163	88
	87	42	25.05	9.18	4.26	15.87	158	86
	86	46	12.95	5.81	4.25	7.14	98	71
	85	51	15.38	6.63	5.09	8.75	117	81
	84	52	17.14	8.19	5.80	8.95	146	103
	83	53	16.07	7.07	5.44	9.01	148	105
	82	49	14.60	6.29	5.17	8.32	111	82
	81	51	15.88	7.63	6.01	8.25	119	90
	80	50	18.88	8.32	6.81	10.56	133	105
	79	51	20.57	8.95	7.64	11.61	140	112
2011 MEAT PACKING PLANTS								
	1986-88		36.35	17.87	10.04	20.49	314	184
	88	8	42.88	22.63	13.87	20.24	395	261
2013 SAUSAGES AND OTHER PREPARED MEATS								
	1986-88		14.34	6.78	4.46	7.56	143	98
	88	15	14.59	7.41	3.99	7.18	172	102
2016 POULTRY DRESSING PLANTS								
	1986-88		21.55	7.18	2.93	14.37	99	50
	88	14	30.35	9.60	2.85	20.75	118	51
2017 POULTRY AND EGG PROCESSING								
	1986-88		17.55	4.09	2.99	13.46	81	65
	88	4	23.61	3.94	1.90	19.68	38	19
202 DAIRY PRODUCTS								
	1986-88		8.24	2.97	2.16	5.27	61	45
	88	76	9.06	3.42	2.46	5.63	70	52
2022 CHEESE, NATURAL AND PROCESSED								
	1986-88		6.36	2.23	1.43	4.13	45	28
	88	32	5.78	2.32	1.38	3.47	42	25
2023 CONDENSED AND EVAPORATED MILK								
	1986-88		6.94	2.59	1.56	4.35	40	27
	88	20	7.43	3.11	1.87	4.32	54	38
2026 FLUID MILK								
	1986-88		12.70	5.75	5.70	6.95	135	133
	88	8	13.26	6.26	6.08	7.00	161	156
203 PRESERVED FRUITS AND VEGETABLES								
	1986-88		13.72	4.47	2.58	9.25	94	59
	88	64	23.14	6.26	3.20	16.87	132	74
2032 CANNED SPECIALTIES								
	1986-88		16.34	5.49	1.93	10.85	106	56
	88	13	16.50	5.82	2.02	10.66	108	57
2033 CANNED FRUITS AND VEGETABLES								
	1986-88		17.40	5.61	4.33	11.77	106	86
	88	23	32.60	8.38	6.09	24.20	172	132
2035 PICKLES, SAUCES, AND SALAD DRESSINGS								
	1986-88		9.19	2.69	1.59	6.50	48	29
	88	13	14.76	3.56	1.51	11.20	59	29
2037 FROZEN FRUITS AND VEGETABLES								
	1986-88		8.09	2.83	1.29	5.26	90	40
	88	7	7.75	2.82	1.21	4.93	114	44
2038 FROZEN SPECIALTIES								
	1986-88		14.83	4.63	2.25	10.20	111	56
	88	6	33.31	7.23	2.15	26.06	150	41
204 GRAIN MILL PRODUCTS								
	1986-88		9.23	2.92	2.65	6.30	70	61
	88	73	9.29	2.57	2.08	6.72	77	64
2041 FLOUR AND OTHER GRAIN MILL PRODUCTS								
	1986-88		13.41	4.36	4.21	9.06	97	92
	88	12	9.64	3.42	3.35	6.21	139	129
2046 WET CORN MILLING								
	1986-88		9.34	3.44	2.98	5.89	85	67
	88	11	9.24	3.12	2.18	6.12	130	100
2048 PREPARED FEEDS, NEC								
	1986-88		10.00	3.05	2.79	6.87	39	35
	88	37	11.45	3.86	3.73	7.59	45	41
205 BAKERY PRODUCTS								
	1986-88		9.06	4.68	4.10	4.38	107	96
	88	17	13.61	5.30	2.89	8.30	120	73

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
2051	**BREAD, CAKE, AND RELATED PRODUCTS**							
	1986-88		8.91	5.47	4.84	3.44	120	109
	88	10	16.67	6.79	3.54	9.87	151	88
2052	**COOKIES AND CRACKERS**							
	1986-88		9.37	3.02	2.53	6.35	80	70
	88	7	10.08	3.58	2.14	6.50	84	56
206	**SUGAR AND CONFECTIONERY PRODUCTS**							
	1986-88		10.29	5.43	4.37	4.86	90	64
	88	28	10.41	5.95	4.62	4.46	107	70
2062	**CANE SUGAR REFINING**							
	1986-88		5.95	2.86	2.03	3.09	69	61
	88	4	6.99	3.26	2.08	3.74	77	64
2065	**CONFECTIONERY PRODUCTS**							
	1986-88		10.26	5.74	5.05	4.51	94	78
	88	8	10.37	6.36	5.47	4.01	107	79
2066	**CHOCOLATE AND COCOA PRODUCTS**							
	1986-88		7.03	3.48	2.40	3.54	93	49
	88	4	8.16	4.07	2.75	4.09	115	61
207	**FATS AND OILS**							
	1986-88		5.80	2.24	1.31	3.56	62	38
	88	12	6.31	2.93	1.27	3.35	62	22
2079	**SHORTENING AND COOKING OILS**							
	1986-88		5.74	2.03	1.32	3.71	59	34
	88	8	6.32	2.88	1.52	3.44	66	24
208	**BEVERAGES**							
	1986-88		8.59	3.13	2.35	5.45	68	48
	88	24	10.19	3.38	2.40	6.81	83	59
2082	**MALT BEVERAGES**							
	1986-88		8.59	2.91	2.07	5.67	65	44
	88	14	10.27	3.32	2.29	6.95	83	58
209	**MISC. FOODS AND KINDRED PRODUCTS**							
	1986-88		7.17	3.19	2.27	3.98	82	66
	88	32	6.28	2.96	1.73	3.31	75	57
2095	**ROASTED COFFEE**							
	1986-88		4.91	2.37	2.08	2.53	59	53
	88	9	4.11	1.96	1.64	2.11	47	42
2099	**FOOD PREPARATIONS, NEC**							
	1986-88		9.08	4.37	2.76	4.71	107	80
	88	19	9.02	5.47	2.51	3.55	118	77
22	**TEXTILE MILL PRODUCTS**							
	1986-88		5.17	1.54	.49	3.62	30	16
	88	301	6.17	2.17	.52	3.99	38	17
	87	365	5.56	1.53	.48	4.02	27	14
	86	335	3.84	1.00	.47	2.84	26	16
	85	371	4.05	1.15	.53	2.90	26	16
	84	365	4.26	1.25	.65	3.00	29	19
	83	399	4.53	1.35	.74	3.18	28	20
	82	397	4.64	1.31	.74	3.32	28	20
	81	329	5.21	1.58	.96	3.63	34	26
	80	323	5.92	1.81	1.11	4.11	37	28
	79	380	6.73	1.64	1.04	5.08	39	29
221	**WEAVING MILLS, COTTON**							
	1986-88		5.39	1.40	.38	3.99	26	14
	88	52	6.13	1.83	.35	4.29	33	14
222	**WEAVING MILLS, SYNTHETICS**							
	1986-88		4.87	1.29	.35	3.57	25	12
	88	60	6.41	2.13	.41	4.27	38	14
223	**WEAVING AND FINISHING MILLS, WOOL**							
	1986-88		4.88	2.61	.76	2.27	47	23
	88	10	5.07	2.69	.54	2.38	41	18
225	**KNITTING MILLS**							
	1986-88		6.70	2.35	.89	4.34	33	17
	88	18	7.89	3.34	.94	4.55	38	14
2253	**KNIT OUTERWEAR MILLS**							
	1986-88		7.11	2.82	.64	4.29	41	11
	88	5	9.08	5.57	.81	3.51	88	17
2257	**CIRCULAR KNIT FABRIC MILLS**							
	1986-88		6.66	2.99	.72	3.67	31	11
	88	5	6.39	3.27	1.06	3.12	37	12

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
2258	**WARP KNIT FABRIC MILLS**							
	1986-88		7.37	1.95	1.24	5.41	35	25
	88	5	9.27	2.54	1.06	6.72	22	17
226	**TEXTILE FINISHING, EXCEPT WOOL**							
	1986-88		4.31	1.28	.50	3.03	27	15
	88	32	4.77	1.62	.48	3.14	36	17
2261	**FINISHING PLANTS, COTTON**							
	1986-88		5.10	1.91	.49	3.18	32	14
	88	11	6.73	3.04	.37	3.67	51	12
2262	**FINISHING PLANTS, SYNTHETICS**							
	1986-88		3.74	.79	.42	2.95	23	16
	88	16	3.82	.72	.42	3.10	26	20
2269	**FINISHING PLANTS, NEC**							
	1986-88		4.25	1.29	1.02	2.96	30	20
	88	4	3.45	2.14	1.40	1.31	52	29
227	**FLOOR COVERING MILLS**							
	1986-88		5.27	.94	.42	4.33	27	15
	88	23	6.40	1.57	.53	4.83	40	22
2271	**WOVEN CARPETS AND RUGS**							
	1986-88		6.41	1.05	.41	5.35	25	14
	88	6	9.71	2.36	.49	7.36	42	14
2272	**TUFTED CARPETS AND RUGS**							
	1986-88		4.76	.94	.48	3.82	31	18
	88	16	4.59	1.18	.52	3.42	38	25
228	**YARN AND THREAD MILLS**							
	1986-88		5.11	1.59	.57	3.52	33	19
	88	65	5.89	2.20	.66	3.69	36	19
2281	**YARN MILLS, EXCEPT WOOL**							
	1986-88		4.94	1.57	.54	3.36	33	19
	88	50	5.39	2.18	.63	3.21	38	19
2283	**WOOL YARN MILLS**							
	1986-88		4.30	1.50	.22	2.79	26	10
	88	8	5.25	1.55	.19	3.66	16	2
229	**MISCELLANEOUS TEXTILE GOODS**							
	1986-88		6.53	2.81	.70	3.71	48	22
	88	29	7.94	3.53	.72	4.42	52	23
2297	**NONWOVEN FABRICS**							
	1986-88		4.69	2.50	1.00	2.15	54	31
	88	4	4.92	3.15	1.20	1.77	58	39
2299	**TEXTILE GOODS, NEC**							
	1986-88		6.01	2.78	.49	3.23	43	17
	88	15	7.69	3.54	.47	4.15	45	15
23	**APPAREL AND OTHER TEXTILE PRODUCTS**							
	1986-88		5.77	2.90	.93	2.87	50	26
	88	52	7.01	4.02	1.18	2.99	68	35
232	**MEN'S AND BOYS' FURNISHINGS**							
	1986-88		6.47	3.94	.54	2.52	61	18
	88	19	7.05	5.02	.64	2.03	82	19
236	**CHILDREN'S OUTERWEAR**							
	1986-88		3.83	2.03	1.57	1.79	32	26
	88	4	4.88	2.71	2.01	2.16	46	38
239	**MISC. FABRICATED TEXTILE PRODUCTS**							
	1986-88		5.26	1.81	.78	3.45	45	31
	86	21	6.45	2.61	.86	3.85	58	44
2392	**HOUSE FURNISHINGS, NEC**							
	1986-88		5.59	1.98	.82	3.60	52	35
	88	16	7.29	3.03	.95	4.26	67	51
26	**PAPER AND ALLIED PRODUCTS**							
	1986-88		9.54	3.26	2.27	6.28	79	61
	88	397	10.65	3.66	2.42	6.98	90	67
	87	434	9.95	3.34	2.31	6.61	82	62
	86	467	8.20	2.84	2.10	5.35	67	54
	85	501	7.30	2.62	1.97	4.67	65	54
	84	514	7.20	2.72	2.14	4.47	66	56
	83	535	7.30	2.79	2.16	4.51	65	55
	82	543	7.74	3.02	2.40	4.71	70	61
	81	593	8.80	3.53	2.96	5.25	83	74
	80	573	9.45	3.67	3.12	5.77	90	81
	79	593	10.08	3.74	3.19	6.33	85	77

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a] Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
261	**PULP MILLS**							
	1986-88		14.05	2.89	1.94	11.16	83	63
	88	21	15.90	3.48	2.16	12.41	92	65
262	**PAPER MILLS, EXCEPT BUILDING PAPER**							
	1986-88		10.58	3.19	2.09	7.38	81	61
	88	70	12.29	3.68	2.28	8.61	91	65
263	**PAPERBOARD MILLS**							
	1986-88		8.23	2.61	2.20	5.62	71	60
	88	34	9.29	2.85	2.44	6.45	79	67
264	**MISC. CONVERTED PAPER PRODUCTS**							
	1986-88		6.78	3.00	2.04	3.78	64	47
	88	90	7.47	3.45	2.21	4.02	77	56
2641	**PAPER COATING AND GLAZING**							
	1986-88		8.90	3.58	1.80	5.32	75	52
	88	17	9.65	4.24	2.11	5.41	90	59
2643	**BAGS, EXCEPT TEXTILE BAGS**							
	1986-88		8.67	3.96	3.12	4.71	75	60
	88	18	9.11	3.80	3.01	5.31	89	74
2646	**PRESSED AND MOLDED PULP GOODS**							
	1986-88		11.18	6.20	4.21	4.98	159	119
	88	11	12.18	7.12	4.90	5.06	185	141
2647	**SANITARY PAPER PRODUCTS**							
	1986-88		3.31	1.28	.68	2.04	29	15
	88	21	3.98	1.75	.81	2.22	36	18
2648	**STATIONERY PRODUCTS**							
	1986-88		11.25	6.92	5.31	4.33	115	96
	88	3	14.46	10.15	6.20	4.30	165	119
2649	**CONVERTED PAPER PRODUCTS, NEC**							
	1986-88		10.14	4.45	4.26	5.69	99	95
	88	12	10.77	5.32	5.07	5.45	107	98
265	**PAPERBOARD CONTAINERS AND BOXES**							
	1986-88		10.66	4.93	3.65	5.72	111	89
	88	164	11.01	5.10	3.56	5.90	122	99
2651	**FOLDING PAPERBOARD BOXES**							
	1986-88		8.60	4.11	2.94	4.49	85	70
	88	36	8.89	4.63	2.97	4.26	99	90
2653	**CORRUGATED AND SOLID FIBER BOXES**							
	1986-88		11.70	5.15	3.97	6.54	118	95
	88	98	12.40	5.10	3.69	7.29	123	97
2654	**SANITARY FOOD CONTAINERS**							
	1986-88		11.10	6.56	4.34	4.54	142	114
	88	12	10.01	6.00	4.35	4.01	149	123
266	**BUILDING PAPER AND BOARD MILLS**							
	1986-88		6.86	2.49	1.94	4.37	59	52
	88	9	8.09	3.71	2.60	4.38	96	81
27	**PRINTING AND PUBLISHING**							
	1986-88		6.97	3.38	2.54	3.59	62	47
	88	77	8.32	3.69	2.66	4.62	58	44
	87	85	7.26	3.65	2.59	3.61	64	43
	86	92	6.09	2.98	2.43	3.10	62	51
	85	96	6.53	2.94	2.51	3.58	51	43
	84	98	6.12	2.87	2.42	3.25	53	45
	83	96	6.18	2.96	2.56	3.22	59	51
	82	93	6.67	3.24	2.87	3.42	59	54
	81	91	6.63	3.43	3.04	3.19	60	53
	80	85	9.40	4.84	4.58	4.55	87	84
	79	87	9.38	4.56	4.31	4.82	90	87
271	**NEWSPAPERS**							
	1986-88		6.66	3.59	3.27	3.07	77	69
	88	6	5.00	2.78	2.27	2.20	46	38
273	**BOOKS**							
	1986-88		7.22	4.26	2.57	2.95	75	51
	88	6	9.07	5.63	2.79	3.44	91	51
275	**COMMERCIAL PRINTING**							
	1986-88		9.36	4.21	3.05	5.14	63	47
	88	40	10.99	4.60	3.03	6.38	70	53
2751	**COMMERCIAL PRINTING, LETTERPRESS**							
	1986-88		15.39	7.67	7.58	7.73	97	94
	88	8	15.03	6.78	6.60	8.25	97	88

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
2752	**COMMERCIAL PRINTING, LITHOGRAPHIC**							
	1986-88		5.85	2.91	1.81	2.93	45	32
	88	7	7.20	3.67	2.11	3.53	54	41
2754	**COMMERCIAL PRINTING, GRAVURE**							
	1986-88		10.90	3.89	2.10	7.01	52	28
	88	12	13.04	4.45	1.53	8.59	59	33
276	**MANIFOLD BUSINESS FORMS**							
	1986-88		6.66	1.92	1.86	4.74	37	37
	88	11	6.53	1.57	1.57	4.97	25	25
278	**BLANKBOOKS AND BOOKBINDING**							
	1986-88		9.00	4.25	4.25	4.75	62	62
	88	6	10.91	4.88	4.88	6.04	46	46
28	**CHEMICALS AND ALLIED PRODUCTS**							
	1986-88		3.61	1.38	.59	2.23	29	15
	88	1,065	3.59	1.42	.59	2.16	27	14
	87	1,179	4.09	1.54	.62	2.55	31	17
	86	1,182	3.15	1.19	.57	1.96	27	14
	85	1,316	2.31	.94	.52	1.38	19	12
	84	1,301	2.57	1.04	.56	1.52	20	12
	83	1,349	2.52	1.00	.57	1.52	21	12
	82	1,313	2.95	1.12	.67	1.83	23	15
	81	1,304	3.13	1.26	.74	1.87	25	16
	80	1,295	3.18	1.18	.72	2.00	25	16
	79	1,353	3.63	1.39	.86	2.23	27	18
281	**INDUSTRIAL INORGANIC CHEMICALS**							
	1986-88		4.97	1.81	.95	3.15	40	25
	88	160	5.21	1.99	1.06	3.21	44	29
2812	**ALKALIES AND CHLORINE**							
	1986-88		4.63	1.85	.56	2.77	45	23
	88	26	4.52	2.03	.66	2.46	58	31
2813	**INDUSTRIAL GASES**							
	1986-88		2.59	1.23	.50	1.35	12	6
	88	5	2.60	1.22	.43	1.38	10	4
2816	**INORGANIC PIGMENTS**							
	1986-88		9.16	3.10	2.62	6.05	67	58
	88	27	9.94	3.66	3.22	6.26	84	79
2819	**INDUSTRIAL INORGANIC CHEMICALS, NEC**							
	1986-88		5.30	1.76	.92	3.54	45	27
	88	101	5.75	1.93	.97	3.81	47	28
282	**PLASTICS MATERIALS AND SYNTHETICS**							
	1986-88		3.44	1.18	.42	2.26	29	17
	88	185	3.32	1.16	.43	2.15	26	12
2821	**PLASTICS MATERIALS AND RESINS**							
	1986-88		4.66	1.85	.60	2.81	35	16
	88	121	4.14	1.69	.54	2.45	30	11
2822	**SYNTHETIC RUBBER**							
	1986-88		3.94	1.04	.66	2.89	96	91
	88	14	4.89	1.04	.65	3.86	23	20
2823	**CELLULOSIC MAN-MADE FIBERS**							
	1986-88		7.14	2.23	.71	4.90	60	23
	88	5	5.63	2.11	.93	3.50	72	32
2824	**ORGANIC FIBERS, NONCELLULOSIC**							
	1986-88		1.71	.53	.21	1.18	12	7
	88	37	1.68	.57	.25	1.11	15	8
283	**DRUGS**							
	1986-88		2.98	1.31	.72	1.67	22	12
	88	80	2.92	1.30	.69	1.62	21	13
2831	**BIOLOGICAL PRODUCTS**							
	1986-88		3.66	1.07	.59	2.59	19	5
	88	4	4.87	1.36	.78	3.50	35	10
2833	**MEDICINALS AND BOTANICALS**							
	1986-88		3.84	1.06	.67	2.78	22	14
	88	7	3.78	1.39	.97	2.39	28	23
2834	**PHARMACEUTICAL PREPARATIONS**							
	1986-88		2.73	1.17	.73	1.56	22	14
	88	64	2.60	1.08	.70	1.52	20	14
284	**SOAP, CLEANERS, AND TOILET GOODS**							
	1986-88		4.00	2.04	1.28	1.95	40	27
	88	74	4.12	2.38	1.41	1.72	47	29

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a] Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
2841	**SOAP AND OTHER DETERGENTS**							
	1986-88		3.08	1.60	1.06	1.47	34	26
	88	43	3.33	1.87	1.13	1.43	37	26
2842	**POLISHES AND SANITATION GOODS**							
	1986-88		8.26	4.79	1.46	3.46	46	14
	88	7	6.67	4.64	1.52	2.03	46	8
2843	**SURFACE ACTIVE AGENTS**							
	1986-88		5.63	2.53	1.27	3.10	61	25
	88	11	5.29	2.96	1.52	2.33	92	45
2844	**TOILET PREPARATIONS**							
	1986-88		4.65	2.40	1.86	2.25	50	35
	88	10	5.03	2.93	2.09	2.09	66	41
285	**PAINTS AND ALLIED PRODUCTS**							
	1986-88		4.54	2.04	.71	2.50	31	14
	88	91	4.72	2.40	.83	2.32	36	20
286	**INDUSTRIAL ORGANIC CHEMICALS**							
	1986-88		3.70	1.33	.41	2.36	25	11
	88	167	3.62	1.31	.36	2.31	24	10
2861	**GUM AND WOOD CHEMICALS**							
	1986-88		9.21	5.41	.63	3.79	100	35
	88	4	9.46	6.37	.28	3.08	93	40
2865	**CYCLIC CRUDES AND INTERMEDIATES**							
	1986-88		5.62	1.92	.94	3.70	39	24
	88	30	5.25	1.98	.60	3.27	37	20
2869	**INDUSTRIAL ORGANIC CHEMICALS, NEC**							
	1986-88		3.19	1.14	.34	2.05	21	9
	88	121	3.08	1.09	.32	1.98	20	8
287	**AGRICULTURAL CHEMICALS**							
	1986-88		3.47	1.09	.48	2.37	24	13
	88	119	2.59	.90	.38	1.68	22	13
	87	134	4.56	1.46	.62	3.09	30	15
	86	119	4.04	1.08	.53	2.95	23	12
	85	148	3.19	1.05	.62	2.13	20	11
	84	166	3.75	1.43	.90	2.32	33	21
	83	188	3.56	1.42	.97	2.13	42	21
	82	199	4.40	1.49	.95	2.90	33	23
	81	178	4.57	1.68	1.13	2.88	31	21
	80	175	4.17	1.49	1.01	2.67	28	22
	79	167	4.55	1.69	1.21	2.84	33	25
2873	**NITROGENOUS FERTILIZERS**							
	1986-88		2.03	.55	.47	1.47	13	11
	88	39	1.46	.43	.39	1.01	10	8
2874	**PHOSPHATIC FERTILIZERS**							
	1986-88		3.80	1.60	.51	2.20	49	33
	88	14	2.74	1.22	.26	1.50	45	32
2879	**AGRICULTURAL CHEMICALS, NEC**							
	1986-88		4.80	1.58	.42	3.21	27	8
	88	44	4.91	1.84	.41	3.06	31	7
289	**MISCELLANEOUS CHEMICAL PRODUCTS**							
	1986-88		4.10	1.81	.94	2.29	49	29
	88	125	4.34	1.84	.98	2.50	38	22
2891	**ADHESIVES AND SEALANTS**							
	1986-88		8.78	3.67	2.82	5.10	58	44
	88	18	8.83	4.38	3.09	4.44	59	40
2892	**EXPLOSIVES**							
	1986-88		4.26	1.90	.83	2.36	38	22
	88	24	5.55	2.32	1.05	3.24	46	25
2893	**PRINTING INK**							
	1986-88		4.35	2.66	1.96	1.69	48	39
	88	20	5.00	3.47	3.06	1.53	80	67
2899	**CHEMICAL PREPARATIONS, NEC**							
	1986-88		3.67	1.58	.79	2.09	60	34
	88	56	3.24	1.25	.61	1.99	29	16

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

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29	**PETROLEUM AND COAL PRODUCTS**							
	1986-88		4.92	1.92	.93	2.99	40	22
	88	178	4.45	1.77	.92	2.67	41	23
	87	189	5.73	2.17	1.00	3.55	42	24
	86	198	4.62	1.83	.86	2.79	36	20
	85	214	3.67	1.39	.78	2.27	29	19
	84	193	3.84	1.61	1.00	2.20	36	27
	83	207	3.91	1.50	.86	2.40	28	20
	82	231	4.19	1.72	1.31	2.46	38	33
	81	237	5.38	2.40	1.72	2.97	63	55
	80	255	5.83	2.52	1.78	3.30	48	39
	79	257	6.90	2.94	1.71	3.94	55	40
291	**PETROLEUM REFINING**							
	1986-88		4.84	1.90	.78	2.93	38	19
	88	111	4.10	1.64	.71	2.44	38	20
295	**PAVING AND ROOFING MATERIALS**							
	1986-88		6.74	2.74	2.26	3.99	69	57
	88	39	6.64	2.83	2.35	3.81	78	60
2952	**ASPHALT FELTS AND COATINGS**							
	1986-88		6.72	2.74	2.25	3.98	70	58
	88	30	6.65	2.85	2.37	3.80	79	61
299	**MISC. PETROLEUM AND COAL PRODUCTS**							
	1986-88		16.09	5.71	4.07	10.36	117	84
	88	14	22.12	7.35	6.36	14.70	165	111
2992	**LUBRICATING OILS AND GREASES**							
	1986-88		8.52	3.72	2.56	4.80	55	42
	88	9	7.55	3.47	3.11	4.07	35	33
30	**RUBBER AND MISC. PLASTICS PRODUCTS**							
	1986-88		7.24	3.41	2.17	3.83	76	53
	88	187	8.91	4.29	2.58	4.62	86	55
	87	230	7.38	3.45	2.10	3.93	92	67
	86	274	5.86	2.70	1.94	3.16	54	40
	85	301	5.68	2.83	2.16	2.85	53	40
	84	290	5.80	2.85	2.29	2.95	53	43
	83	289	5.50	2.61	2.07	2.88	55	46
	82	276	5.96	3.05	2.26	2.90	61	49
	81	260	6.80	3.65	2.55	3.15	64	46
	80	234	7.03	3.98	2.69	3.04	69	47
	79	293	7.11	3.84	2.30	3.27	64	41
301	**TIRES AND INNER TUBES**							
	1986-88		4.99	2.96	1.88	2.02	48	30
	88	13	4.91	3.51	2.61	1.41	57	41
306	**FABRICATED RUBBER PRODUCTS, NEC**							
	1986-88		10.44	4.99	3.57	5.44	162	141
	88	21	12.69	5.65	3.62	7.03	86	66
307	**MISCELLANEOUS PLASTICS PRODUCTS**							
	1986-88		8.01	3.37	2.06	4.64	76	50
	88	151	10.18	4.41	2.35	5.76	103	62
31	**LEATHER AND LEATHER PRODUCTS**							
	1986-88		9.62	4.36	1.98	5.26	71	38
	88	36	9.14	4.68	1.57	4.46	78	34
	87	41	9.65	4.09	2.12	5.56	61	33
	86	41	10.04	4.33	2.23	5.71	76	48
	85	36	9.81	4.33	2.26	5.47	73	46
	84	37	9.37	4.28	2.44	5.09	77	50
	83	52	9.70	3.37	2.01	6.33	53	36
	82	56	7.95	2.56	1.99	5.39	45	35
	81	59	11.07	4.01	3.50	7.06	61	52
	80	53	7.54	3.32	2.37	4.22	54	41
	79	46	10.81	4.71	3.60	6.10	68	58
311	**LEATHER TANNING AND FINISHING**							
	1986-88		20.78	8.69	3.68	12.09	152	68
	88	4	23.72	10.98	2.64	12.74	172	55

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
314	**FOOTWEAR, EXCEPT RUBBER**							
	1986-88		8.66	4.14	2.30	4.52	71	43
	88	20	8.72	4.70	1.98	4.02	98	48
	DURABLE GOODS (24-25, 32-39)							
	1986-88		9.68	3.55	1.99	6.13	67	43
	88	1,690	12.31	4.42	2.29	7.88	82	50
	87	1,845	9.73	3.54	1.84	6.18	67	43
	86	2,052	7.40	2.81	1.85	4.59	54	37
	85	2,279	6.96	2.88	1.91	4.08	52	37
	84	2,421	7.46	2.89	1.93	4.57	50	37
	83	2,630	7.55	2.93	2.00	4.61	52	39
	82	2,673	7.96	3.06	2.17	4.89	54	41
	81	2,713	8.84	3.50	2.41	5.34	62	47
	80	2,702	9.74	3.95	2.74	5.78	71	54
	79	2,826	9.78	4.08	2.79	5.69	71	53
24	**LUMBER AND WOOD PRODUCTS**							
	1986-88		10.79	4.79	3.81	5.99	120	98
	88	153	10.75	4.47	3.32	6.27	126	100
	87	174	10.61	5.03	4.10	5.56	116	92
	86	180	11.02	4.85	3.96	6.17	117	103
	85	191	9.47	4.67	4.11	4.79	113	103
	84	189	8.60	4.69	4.04	3.90	112	104
	83	231	10.15	5.50	5.05	4.64	126	117
	82	247	10.54	5.21	4.76	5.31	131	124
	81	255	10.74	5.58	4.99	5.14	122	115
	80	241	12.91	5.94	5.41	6.95	158	142
	79	275	14.21	6.42	5.83	7.77	153	139
241	**LOGGING CAMPS & LOGGING CONTRACTORS**							
	1986-88		7.01	3.84	3.64	3.15	108	102
	88	20	7.43	2.95	2.60	4.49	66	60
242	**SAWMILLS AND PLANING MILLS**							
	1986-88		13.14	6.09	4.90	7.04	138	115
	88	50	13.26	5.36	4.19	7.90	130	104
2421	**SAWMILLS AND PLANING MILLS, GENERAL**							
	1986-88		12.97	6.09	4.93	6.86	139	117
	88	45	13.07	5.39	4.18	7.67	132	106
2426	**HARDWOOD DIMENSION AND FLOORING**							
	1986-88		15.06	6.07	4.59	8.99	129	87
	88	4	15.07	4.95	4.24	10.13	96	76
243	**MILLWORK, PLYWOOD & STRUCTURAL MEMBERS**							
	1986-88		10.24	4.41	3.27	5.82	116	90
	88	37	9.46	4.39	2.95	5.06	144	114
2431	**MILLWORK**							
	1986-88		10.88	6.46	4.10	4.41	136	93
	88	7	10.66	5.91	3.32	4.70	171	124
2435	**HARDWOOD VENEER AND PLYWOOD**							
	1986-88		5.33	2.34	1.94	2.97	52	37
	88	9	5.92	2.47	1.82	3.46	50	37
2436	**SOFTWOOD VENEER AND PLYWOOD**							
	1986-88		13.52	5.17	4.03	8.35	170	143
	88	19	12.27	5.51	3.92	6.74	223	185
249	**MISCELLANEOUS WOOD PRODUCTS**							
	1986-88		9.13	3.08	2.43	6.04	79	62
	88	45	10.53	3.62	2.70	6.89	94	68
2491	**WOOD PRESERVING**							
	1986-88		13.77	3.98	2.79	9.77	108	82
	88	32	15.77	4.51	3.12	11.19	116	92
2492	**PARTICLEBOARD**							
	1986-88		9.68	3.92	3.92	5.76	103	88
	88	6	9.35	3.60	3.60	5.75	110	85
2499	**WOOD PRODUCTS, NEC**							
	1986-88		5.00	1.88	1.32	3.12	43	32
	88	7	6.38	2.81	1.81	3.57	65	37

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]			Incidence Rates per 100 Full-Time Employees[a]					
	Years	No. of Units	Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
25	**FURNITURE AND FIXTURES**							
	1986-88		14.27	5.95	1.83	8.31	116	30
	88	61	17.47	6.76	1.63	10.71	132	27
	87	63	13.88	6.06	1.99	7.81	121	35
	86	58	11.44	5.03	1.86	6.40	95	29
	85	59	10.37	4.52	1.93	5.85	77	30
	84	56	10.96	4.45	2.24	6.51	76	36
	83	69	11.18	3.86	1.75	7.32	60	26
	82	65	9.73	3.33	1.64	6.40	64	30
	81	63	10.15	2.44	2.00	7.70	41	34
	80	64	12.11	4.03	1.77	8.08	68	34
	79	72	12.31	4.42	2.67	7.89	60	42
251	**HOUSEHOLD FURNITURE**							
	1986-88		9.83	2.61	1.85	7.22	41	36
	88	31	9.03	2.51	1.59	6.51	38	31
2511	**WOOD HOUSEHOLD FURNITURE**							
	1986-88		9.42	2.37	1.54	7.05	35	28
	88	19	7.91	2.03	1.18	5.87	28	21
253	**PUBLIC BUILDING & RELATED FURNITURE**							
	1986-88		12.17	5.30	4.30	6.87	70	60
	88	8	12.33	6.32	4.37	6.01	76	60
259	**MISCELLANEOUS FURNITURE AND FIXTURES**							
	1986-88		8.67	2.50	1.29	6.17	40	24
	88	7	9.55	2.86	1.11	6.68	45	28
32	**STONE, CLAY, AND GLASS PRODUCTS**							
	1986-88		10.78	4.31	2.74	6.46	96	73
	88	268	12.70	4.99	2.91	7.71	101	68
	87	282	11.70	4.72	2.86	6.98	104	81
	86	314	8.33	3.38	2.50	4.94	84	69
	85	343	8.55	3.64	2.73	4.91	84	71
	84	380	9.13	4.07	3.12	5.05	91	78
	83	421	9.69	4.24	3.26	5.45	91	80
	82	447	10.40	4.59	3.83	5.80	93	83
	81	464	10.51	4.77	3.92	5.74	93	81
	80	479	12.33	5.81	4.92	6.51	115	99
	79	497	13.89	6.31	5.27	7.56	113	95
321	**FLAT GLASS**							
	1986-88		16.74	5.00	2.11	11.73	101	65
	88	19	23.00	7.10	2.80	15.89	144	86
322	**GLASS AND GLASSWARE, PRESSED OR BLOWN**							
	1986-88		8.72	4.79	2.53	3.93	121	95
	88	16	12.15	5.83	2.51	6.31	93	53
3221	**GLASS CONTAINERS**							
	1986-88		7.46	4.68	3.63	2.78	164	148
	88	7	7.96	5.18	5.18	2.78	105	105
3229	**PRESSED AND BLOWN GLASS, NEC**							
	1986-88		10.52	4.95	.98	5.57	59	20
	88	9	14.30	6.17	1.14	8.14	87	26
323	**PRODUCTS OF PURCHASED GLASS**							
	1986-88		10.49	2.54	.66	7.94	71	24
	88	11	13.45	3.29	.61	10.15	101	25
324	**CEMENT, HYDRAULIC**							
	1986-88		10.34	2.43	1.90	7.90	68	52
	88	26	7.99	2.27	1.66	5.68	61	44
	87	24	13.18	2.96	2.31	10.22	95	72
	86	27	11.16	2.21	1.88	8.95	55	45
	85	28	11.47	2.82	2.30	8.63	49	39
	84	55	12.88	2.89	2.31	9.96	86	78
	83	58	11.36	2.31	1.75	9.03	61	50
	82	58	11.56	2.20	1.65	9.35	56	48
	81	63	13.50	2.28	1.82	11.22	57	47
	80	68	17.32	3.32	3.26	14.00	81	80
	79	74	16.28	3.19	3.07	13.08	68	65

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

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325	**STRUCTURAL CLAY PRODUCTS**							
	1986-88		12.30	3.13	2.39	9.17	73	58
	88	25	12.28	3.44	2.37	8.85	77	60
3255	**CLAY REFRACTORIES**							
	1986-88		8.75	2.54	2.35	6.21	63	56
	88	10	10.25	3.70	3.37	6.55	100	88
326	**POTTERY AND RELATED PRODUCTS**							
	1986-88		14.69	10.36	7.49	4.33	185	141
	88	10	16.49	11.97	8.57	4.53	210	161
3261	**VITREOUS PLUMBING FIXTURES**							
	1986-88		15.36	11.14	7.96	4.22	198	151
	88	5	17.18	12.84	9.07	4.34	228	173
327	**CONCRETE, GYPSUM, AND PLASTER PRODUCTS**							
	1986-88		8.46	2.82	2.54	5.62	68	61
	88	94	7.93	2.81	2.44	5.12	72	62
3272	**CONCRETE PRODUCTS, NEC**							
	1986-88		11.98	4.41	4.41	7.57	81	80
	88	25	11.09	4.25	4.25	6.84	79	78
3273	**READY-MIXED CONCRETE**							
	1986-88		11.35	3.65	3.65	7.67	113	104
	88	15	8.91	3.45	3.36	5.47	131	116
3274	**LIME**							
	1986-88		12.12	3.43	3.36	8.65	64	57
	88	11	12.85	3.63	3.52	9.22	81	76
3275	**GYPSUM PRODUCTS**							
	1986-88		4.79	1.60	.97	3.19	54	43
	88	33	4.77	1.65	.81	3.12	59	42
329	**MISC. NONMETALLIC MINERAL PRODUCTS**							
	1986-88		8.61	3.89	3.15	4.71	83	71
	88	60	8.89	4.12	3.05	4.77	81	63
3292	**ASBESTOS PRODUCTS**							
	1986-88		8.04	2.51	1.95	5.54	36	31
	88	7	5.52	1.70	1.20	3.82	28	23
3295	**MINERALS, GROUND OR TREATED**							
	1986-88		15.59	4.46	3.93	11.14	121	115
	88	11	16.94	6.18	4.73	10.76	147	130
3296	**MINERAL WOOL**							
	1986-88		7.09	3.57	3.02	3.51	78	69
	88	24	7.25	3.34	2.65	3.91	66	55
3297	**NONCLAY REFRACTORIES**							
	1986-88		12.35	7.04	5.43	5.31	132	107
	88	9	13.42	8.50	5.91	4.92	140	100
33	**PRIMARY METAL INDUSTRIES**							
	1986-88		12.32	3.77	1.97	8.54	85	56
	88	212	15.57	4.89	2.27	10.67	104	63
331	**BLAST FURNACE AND BASIC STEEL PRODUCTS**							
	1986-88		11.25	3.16	2.18	8.08	91	73
	88	42	11.99	3.97	2.30	8.01	107	77
	87	43	10.91	3.16	2.33	7.74	94	79
	86	49	10.69	2.21	1.89	8.47	69	61
	85	54	5.82	2.19	1.54	3.62	61	47
	84	66	7.12	2.19	1.59	4.93	60	50
	83	74	6.90	1.93	1.56	4.96	55	49
	82	66	6.45	1.58	1.31	4.86	44	40
	81	77	6.99	2.46	1.74	4.52	66	56
	80	78	7.67	2.82	2.13	4.84	66	55
	79	83	6.38	3.04	2.18	3.34	70	59
3312	**BLAST FURNACES AND STEEL MILLS**							
	1986-88		11.53	3.18	2.17	8.34	89	71
	88	24	12.43	4.16	2.39	8.26	109	78
3313	**ELECTROMETALLURGICAL PRODUCTS**							
	1986-88		7.63	2.71	.97	4.90	81	41
	88	5	8.73	3.17	.79	5.56	82	32
3316	**COLD FINISHING OF STEEL SHAPES**							
	1986-88		14.49	4.08	4.08	10.40	163	163
	88	6	14.98	4.77	4.77	10.21	228	228

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
332	**IRON AND STEEL FOUNDRIES**							
	1986-88		20.42	5.67	2.46	14.74	103	58
	88	44	29.90	8.08	3.30	21.80	137	72
	87	47	20.60	5.22	1.90	15.37	96	53
	86	65	11.50	3.85	2.19	7.64	78	49
	85	65	10.25	3.55	1.99	6.69	72	45
	84	65	10.32	3.65	1.98	6.67	67	42
	83	55	10.12	3.79	1.71	6.31	65	39
	82	71	11.70	4.73	2.90	6.96	81	56
	81	71	14.11	6.10	3.80	7.99	97	69
	80	64	15.15	6.97	4.63	8.18	123	94
	79	77	13.78	6.49	3.97	7.28	118	89
3321	**GRAY IRON FOUNDRIES**							
	1986-88		22.40	6.08	2.65	16.31	107	61
	88	33	32.16	8.66	3.68	23.50	145	79
3325	**STEEL FOUNDRIES, NEC**							
	1986-88		18.85	5.18	2.53	13.62	115	74
	88	4	25.66	6.41	1.60	19.19	127	77
333	**PRIMARY NONFERROUS METALS**							
	1986-88		12.30	4.50	2.19	7.79	99	62
	88	28	16.05	5.64	2.78	10.40	121	71
	87	29	13.88	4.45	2.00	9.42	95	59
	86	31	7.02	3.39	1.77	3.62	81	55
	85	37	7.01	3.46	1.82	3.55	74	51
	84	38	8.08	4.42	2.24	3.64	89	57
	83	48	7.71	3.69	2.09	4.01	72	48
	82	45	7.75	3.88	2.07	3.86	79	55
	81	49	8.43	4.06	1.44	4.36	70	45
	80	48	9.82	3.94	1.62	5.87	87	50
	79	43	11.59	4.94	2.46	6.64	103	67
3334	**PRIMARY ALUMINUM**							
	1986-88		13.18	4.69	2.22	8.48	103	64
	88	17	17.44	5.84	2.84	11.59	122	71
3339	**PRIMARY NONFERROUS METALS, NEC**							
	1986-88		8.21	3.36	1.20	4.85	66	29
	88	6	9.78	4.26	1.54	5.52	87	38
334	**SECONDARY NONFERROUS METALS**							
	1986-88		15.53	5.31	2.42	10.18	99	66
	88	7	20.92	8.95	2.39	11.97	147	84
335	**NONFERROUS ROLLING AND DRAWING**							
	1986-88		9.78	3.27	1.41	6.50	67	36
	88	69	12.20	4.07	1.40	8.13	76	36
	87	72	11.07	3.34	1.44	7.73	68	36
	86	82	6.30	2.48	1.41	3.82	58	37
	85	95	6.06	2.50	1.56	3.55	49	36
	84	101	6.79	2.96	1.88	3.83	61	44
	83	100	8.09	3.30	2.25	4.79	70	54
	82	110	8.49	3.56	2.38	4.92	67	51
	81	108	8.78	3.41	2.36	5.36	88	71
	80	106	9.26	4.04	2.78	5.22	86	67
	79	107	9.83	4.52	2.68	5.30	88	68
3353	**ALUMINUM SHEET, PLATE, AND FOIL**							
	1986-88		10.92	3.28	1.15	7.63	65	31
	88	16	14.02	3.96	1.12	10.06	62	23
3354	**ALUMINUM EXTRUDED PRODUCTS**							
	1986-88		10.00	4.04	1.79	5.96	82	45
	88	23	11.88	4.38	1.84	7.50	90	50
3355	**ALUMINUM ROLLING AND DRAWING, NEC**							
	1986-88		13.33	4.00	3.20	9.33	109	89
	88	3	13.60	3.27	2.38	10.33	124	92
3356	**NONFERROUS ROLLING AND DRAWING, NEC**							
	1986-88		7.05	3.15	1.59	3.88	59	32
	88	8	9.15	4.05	1.64	5.10	60	29
3357	**NONFERROUS WIRE DRAWING & INSULATING**							
	1986-88		9.08	3.00	1.40	6.09	63	36
	88	19	10.74	4.05	1.31	6.69	81	38

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
336	**NONFERROUS FOUNDRIES**							
	1986-88		7.61	2.29	1.82	5.31	53	46
	88	9	13.82	2.59	2.22	11.21	49	46
3361	**ALUMINUM FOUNDRIES**							
	1986-88		7.96	2.01	1.62	5.95	43	40
	88	6	14.68	2.69	2.37	11.99	57	55
339	**MISCELLANEOUS PRIMARY METAL PRODUCTS**							
	1986-88		7.09	3.67	1.57	3.42	64	36
	88	9	7.13	4.54	1.30	2.59	108	72
3399	**PRIMARY METAL PRODUCTS, NEC**							
	1986-88		6.09	3.37	.94	2.72	65	32
	88	7	6.34	4.55	1.10	1.79	114	75
34	**FABRICATED METAL PRODUCTS**							
	1986-88		10.38	3.60	2.01	6.78	65	43
	88	261	12.38	4.41	2.21	7.96	73	47
	87	288	11.44	3.90	1.93	7.54	67	40
	86	327	7.41	2.52	1.89	4.88	54	41
	85	379	7.22	2.52	1.91	4.70	50	38
	84	414	7.80	2.85	2.15	4.95	51	40
	83	480	7.96	2.80	2.11	5.15	50	40
	82	485	8.22	2.79	2.21	5.42	49	41
	81	499	9.75	3.56	2.84	6.18	59	48
	80	523	10.31	3.80	3.08	6.50	64	54
	79	543	10.10	3.76	2.91	6.34	63	52
341	**METAL CANS AND SHIPPING CONTAINERS**							
	1986-88		12.28	3.71	1.72	8.57	66	42
	88	35	14.38	4.44	1.62	9.94	74	39
3411	**METAL CANS**							
	1986-88		12.52	3.73	1.63	8.79	63	37
	88	32	14.80	4.59	1.58	10.21	75	38
342	**CUTLERY, HAND TOOLS, AND HARDWARE**							
	1986-88		10.12	3.69	2.97	6.43	85	52
	88	24	10.71	4.07	3.08	6.64	88	46
3423	**HAND AND EDGE TOOLS, NEC**							
	1986-88		7.91	2.60	2.38	5.31	45	40
	88	11	9.84	3.04	2.96	6.81	41	38
3425	**HAND SAWS AND SAW BLADES**							
	1986-88		10.90	6.50	4.97	4.40	153	87
	88	3	10.26	6.64	4.20	3.61	158	82
3429	**HARDWARE, NEC**							
	1986-88		12.96	4.48	3.42	8.48	131	59
	88	7	12.16	5.06	3.33	7.09	146	48
343	**PLUMBING AND HEATING, EXCEPT ELECTRIC**							
	1986-88		11.65	6.68	5.97	4.97	134	125
	88	9	13.09	7.84	7.28	5.25	151	143
3432	**PLUMBING FITTINGS AND BRASS GOODS**							
	1986-88		6.32	3.14	2.77	3.18	83	75
	88	5	6.52	3.15	2.94	3.37	109	99
344	**FABRICATED STRUCTURAL METAL PRODUCTS**							
	1986-88		7.19	2.37	1.92	4.81	53	47
	88	51	5.54	1.96	1.52	3.58	45	38
3441	**FABRICATED STRUCTURAL METAL**							
	1986-88		15.37	5.48	5.25	9.89	86	83
	88	10	14.71	4.25	3.95	10.46	83	78
3442	**METAL DOORS, SASH, AND TRIM**							
	1986-88		15.77	4.26	2.90	11.51	86	61
	88	5	16.81	6.43	3.85	10.38	146	103
3443	**FABRICATED PLATE WORK (BOILER SHOPS)**							
	1986-88		4.53	1.71	1.44	2.82	47	43
	88	11	2.78	1.17	.98	1.61	31	27
3444	**SHEET METAL WORK**							
	1986-88		9.43	3.59	2.32	5.84	61	50
	88	7	9.87	3.82	2.61	6.05	56	44
3448	**PREFABRICATED METAL BUILDINGS**							
	1986-88		11.45	4.07	2.81	7.38	61	49
	88	5	12.80	4.13	2.52	8.67	78	64
345	**SCREW MACHINE PRODUCTS, BOLTS, ETC.**							
	1986-88		11.26	2.34	1.81	8.92	50	40
	88	4	11.75	2.78	2.37	8.98	62	51

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
346	**METAL FORGINGS AND STAMPINGS**							
	1986-88		17.95	6.26	2.04	11.69	90	42
	88	54	27.10	9.47	2.92	17.63	126	65
3462	**IRON AND STEEL FORGINGS**							
	1986-88		20.44	6.52	2.88	13.91	101	49
	88	9	27.26	9.81	3.95	17.45	155	66
3463	**NONFERROUS FORGINGS**							
	1986-88		5.86	3.12	1.10	2.73	70	28
	88	4	5.89	3.29	1.07	2.60	63	25
3465	**AUTOMOTIVE STAMPINGS**							
	1986-88		22.06	7.33	1.40	14.72	91	32
	88	15	36.15	12.28	2.65	23.87	140	64
3466	**CROWNS AND CLOSURES**							
	1986-88		9.36	3.84	3.79	5.52	151	133
	88	4	10.78	4.37	4.23	6.41	188	165
3469	**METAL STAMPINGS, NEC**							
	1986-88		11.50	4.31	3.09	7.18	69	52
	88	21	13.61	4.57	3.14	9.04	87	60
347	**METAL SERVICES, NEC**							
	1986-88		14.63	4.82	4.08	9.81	92	78
	88	17	17.32	6.42	5.29	10.90	106	80
3479	**METAL COATING AND ALLIED SERVICES**							
	1986-88		12.96	4.18	3.42	8.78	80	66
	88	15	14.78	5.61	4.49	9.17	93	65
348	**ORDNANCE AND ACCESSORIES, NEC**							
	1986-88		4.71	1.78	.68	2.93	31	13
	88	12	5.14	2.22	.88	2.91	36	17
3483	**AMMUNITION, EXC. FOR SMALL ARMS, NEC**							
	1986-88		5.41	1.99	.82	3.42	37	15
	88	6	5.38	2.35	.99	3.03	43	18
349	**MISC. FABRICATED METAL PRODUCTS**							
	1986-88		10.25	3.13	2.51	7.11	62	52
	88	53	11.12	3.16	2.47	7.95	64	54
3494	**VALVES AND PIPE FITTINGS**							
	1986-88		10.58	3.27	2.64	7.30	88	79
	88	10	12.61	3.98	3.02	8.63	96	89
3496	**MISC. FABRICATED WIRE PRODUCTS**							
	1986-88		18.25	5.13	4.55	13.12	145	134
	88	6	18.31	5.28	4.83	13.03	121	111
3499	**FABRICATED METAL PRODUCTS, NEC**							
	1986-88		13.38	3.82	2.69	9.57	56	39
	88	24	15.88	3.65	2.46	12.22	63	42
35	**MACHINERY, EXCEPT ELECTRICAL**							
	1986-88		7.83	2.89	1.79	4.94	54	34
	88	215	9.38	3.38	1.95	6.00	63	36
	87	236	8.07	3.01	1.76	5.06	54	34
	86	253	5.97	2.25	1.67	3.72	44	31
	85	301	6.29	2.43	1.70	3.86	45	31
	84	331	6.60	2.59	1.71	4.00	45	30
	83	362	6.37	2.38	1.59	3.98	43	30
	82	377	7.07	2.81	2.06	4.26	50	39
	81	396	8.36	3.59	2.51	4.76	55	40
	80	384	9.38	4.38	2.69	5.00	70	52
	79	422	9.84	4.21	2.81	5.63	63	45
351	**ENGINES AND TURBINES**							
	1986-88		7.21	2.31	1.48	4.89	61	33
	88	4	10.90	2.94	1.68	7.95	75	36
352	**FARM AND GARDEN MACHINERY**							
	1986-88		8.76	3.26	.71	5.49	48	12
	88	14	10.41	3.55	.64	6.86	52	12
3523	**FARM MACHINERY AND EQUIPMENT**							
	1986-88		9.22	3.46	.49	5.76	51	9
	88	11	10.91	3.52	.38	7.38	53	9
3524	**LAWN AND GARDEN EQUIPMENT**							
	1986-88		6.57	2.36	1.72	4.21	34	26
	88	3	7.14	3.71	2.36	3.43	48	36
353	**CONSTRUCTION AND RELATED MACHINERY**							
	1986-88		9.41	3.56	2.18	5.85	71	46
	88	58	11.67	4.25	2.57	7.41	88	52

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
3531	**CONSTRUCTION MACHINERY**							
	1986-88		9.48	3.32	1.93	6.16	76	44
	88	19	12.66	4.39	2.58	8.26	105	58
3532	**MINING MACHINERY**							
	1986-88		17.36	7.12	2.55	10.25	129	84
	88	10	20.00	8.33	2.32	11.67	106	38
3533	**OIL FIELD MACHINERY**							
	1986-88		6.82	4.06	2.64	2.76	48	45
	88	14	6.66	3.53	2.56	3.33	50	48
3535	**CONVEYORS AND CONVEYING EQUIPMENT**							
	1986-88		8.97	2.08	1.71	6.89	35	28
	88	7	9.12	1.81	1.46	7.31	29	24
3537	**INDUSTRIAL TRUCKS AND TRACTORS**							
	1986-88		8.75	3.29	3.11	5.45	64	53
	88	6	9.80	3.71	3.44	6.09	51	40
354	**METALWORKING MACHINERY**							
	1986-88		11.92	4.83	3.58	7.08	74	63
	88	29	13.17	5.02	3.56	8.15	80	64
3542	**MACHINE TOOLS, METAL FORMING TYPES**							
	1986-88		12.73	6.86	6.51	5.87	125	117
	88	7	14.78	7.07	6.50	7.71	145	126
3544	**SPECIAL DIES, TOOLS, JIGS & FIXTURES**							
	1986-88		11.76	2.29	2.21	9.47	44	39
	88	12	10.71	1.87	1.74	8.84	50	37
355	**SPECIAL INDUSTRY MACHINERY**							
	1986-88		7.98	2.61	2.12	5.37	48	42
	88	27	9.40	3.18	2.51	6.22	44	38
3554	**PAPER INDUSTRIES MACHINERY**							
	1986-88		14.68	3.94	3.54	10.74	44	42
	88	4	18.83	5.45	5.45	13.38	54	54
3559	**SPECIAL INDUSTRY MACHINERY, NEC**							
	1986-88		7.09	2.61	2.35	4.48	54	50
	88	12	8.02	2.97	2.68	5.05	51	48
356	**GENERAL INDUSTRIAL MACHINERY**							
	1986-88		7.94	2.97	2.44	4.96	51	42
	88	52	8.09	3.19	2.40	4.89	54	39
3561	**PUMPS AND PUMPING EQUIPMENT**							
	1986-88		20.66	6.46	6.19	14.20	117	104
	88	5	18.70	7.80	7.50	10.90	221	183
3562	**BALL AND ROLLER BEARINGS**							
	1986-88		6.17	2.12	1.56	4.05	33	25
	88	27	6.56	2.38	1.62	4.18	36	24
3566	**SPEED CHANGERS, DRIVES, AND GEARS**							
	1986-88		7.32	1.82	1.49	5.50	60	51
	88	4	8.49	.96	.48	7.54	17	10
3568	**POWER TRANSMISSION EQUIPMENT, NEC**							
	1986-88		9.48	4.73	3.92	4.76	78	61
	88	6	12.06	6.30	4.71	5.77	107	74
3569	**GENERAL INDUSTRIAL MACHINERY, NEC**							
	1986-88		9.37	5.38	4.48	3.99	112	99
	88	4	10.15	5.48	4.11	4.67	87	72
357	**OFFICE AND COMPUTING MACHINES**							
	1986-88		1.82	.95	.58	.88	19	7
	88	11	2.23	1.24	.67	.99	26	9
3573	**ELECTRONIC COMPUTING EQUIPMENT**							
	1986-88		1.62	.94	.58	.68	18	6
	88	7	2.09	1.24	.64	.85	26	7
358	**REFRIGERATION AND SERVICE MACHINERY**							
	1986-88		13.42	3.89	2.83	9.53	74	50
	88	15	17.12	4.86	3.34	12.26	89	60
3585	**REFRIGERATION AND HEATING EQUIPMENT**							
	1986-88		14.95	4.51	3.38	10.44	84	59
	88	12	19.33	5.55	3.95	13.78	98	68
359	**MISC. MACHINERY, EXCEPT ELECTRICAL**							
	1986-88		7.25	3.05	.92	4.19	66	24
	88	4	7.73	3.61	1.29	4.11	71	29
3599	**MACHINERY, EXCEPT ELECTRICAL, NEC**							
	1986-88		8.59	2.01	1.82	6.54	48	43
	88	3	10.77	2.73	1.97	7.89	55	34

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

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36	**ELECTRIC AND ELECTRONIC EQUIPMENT**							
	1986-88		3.99	1.60	1.06	2.39	32	20
	88	246	4.38	1.76	1.12	2.62	35	21
	87	272	4.61	1.78	1.14	2.82	36	23
	86	313	3.18	1.31	.96	1.87	25	17
	85	351	3.27	1.25	.97	2.02	22	17
	84	348	3.65	1.36	1.06	2.28	24	18
	83	348	3.46	1.38	1.07	2.07	25	19
	82	323	3.71	1.51	1.13	2.19	28	19
	81	315	4.17	1.76	1.27	2.41	36	23
	80	323	4.46	1.89	1.32	2.57	39	24
	79	286	5.38	1.98	1.46	3.40	35	26
361	**ELECTRIC DISTRIBUTING EQUIPMENT**							
	1986-88		9.61	4.02	2.34	5.58	85	47
	88	14	11.39	4.85	2.50	6.54	104	50
3613	**SWITCHGEAR AND SWITCHBOARD APPARATUS**							
	1986-88		6.76	3.36	1.87	3.40	67	27
	88	6	7.86	4.63	1.76	3.24	103	28
362	**ELECTRICAL INDUSTRIAL APPARATUS**							
	1986-88		7.27	2.61	1.46	4.65	50	30
	88	20	6.92	2.55	1.53	4.37	39	23
3621	**MOTORS AND GENERATORS**							
	1986-88		8.85	3.19	2.11	5.64	63	42
	88	7	8.47	3.07	2.41	5.39	48	34
3624	**CARBON AND GRAPHITE PRODUCTS**							
	1986-88		6.73	3.38	.39	3.35	51	11
	88	7	6.26	3.42	.63	2.84	52	14
363	**HOUSEHOLD APPLIANCES**							
	1986-88		8.08	2.38	2.00	5.70	47	38
	88	4	9.50	2.33	1.81	7.17	44	21
3631	**HOUSEHOLD COOKING EQUIPMENT**							
	1986-88		9.01	1.33	1.06	7.68	32	17
	88	3	11.30	2.69	2.19	8.61	50	26
364	**ELECTRIC LIGHTING AND WIRING EQUIPMENT**							
	1986-88		7.70	3.05	1.73	4.66	66	37
	88	67	9.96	3.35	1.87	6.61	78	46
3643	**CURRENT-CARRYING WIRING DEVICES**							
	1986-88		7.68	2.71	2.02	4.98	54	35
	88	48	7.46	2.90	2.09	4.57	71	49
3646	**COMMERCIAL LIGHTING FIXTURES**							
	1986-88		11.21	5.97	2.31	5.24	130	61
	88	9	10.36	5.25	2.00	5.11	110	57
366	**COMMUNICATION EQUIPMENT**							
	1986-88		1.97	.76	.53	1.20	14	8
	88	26	2.19	.90	.63	1.30	18	10
3662	**RADIO AND TV COMMUNICATION EQUIPMENT**							
	1986-88		1.74	.76	.58	.97	15	10
	88	17	2.07	.97	.69	1.10	20	13
367	**ELECTRONIC COMPONENTS AND ACCESSORIES**							
	1986-88		3.44	1.11	.79	2.33	24	15
	88	73	3.79	1.30	.94	2.49	24	16
3674	**SEMICONDUCTORS AND RELATED DEVICES**							
	1986-88		3.84	.78	.46	3.05	19	10
	88	8	3.86	.68	.33	3.16	13	7
3679	**ELECTRONIC COMPONENTS, NEC**							
	1986-88		3.16	1.37	.87	1.79	27	13
	88	37	3.85	1.96	1.32	1.89	30	16
369	**MISC. ELECTRICAL EQUIPMENT & SUPPLIES**							
	1986-88		7.37	4.07	3.22	3.31	74	59
	88	35	7.63	3.95	2.94	3.68	78	57
3691	**STORAGE BATTERIES**							
	1986-88		15.14	9.38	7.35	5.76	164	133
	88	17	16.57	9.54	7.10	7.02	170	126
3692	**PRIMARY BATTERIES, DRY AND WET**							
	1986-88		4.51	2.34	1.30	2.17	52	30
	88	5	4.24	2.09	1.13	2.15	46	29
3694	**ENGINE ELECTRICAL EQUIPMENT**							
	1986-88		2.64	1.06	.95	1.58	21	16
	88	9	1.95	.55	.47	1.40	22	14

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Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

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37	**TRANSPORTATION EQUIPMENT**							
	1986-88		12.60	4.71	2.38	7.89	74	46
	88	162	18.34	6.57	3.27	11.77	109	69
371	**MOTOR VEHICLES AND EQUIPMENT**							
	1986-88		19.20	6.93	3.05	12.27	118	71
	88	91	32.47	11.50	5.62	20.97	188	118
	87	98	20.08	7.56	2.72	12.52	127	73
	86	101	5.01	1.74	.77	3.27	37	22
	85	114	5.90	2.13	.97	3.77	42	27
	84	121	6.03	2.28	1.10	3.75	41	24
	83	122	5.93	2.44	1.05	3.48	40	21
	82	124	5.88	2.54	1.30	3.34	45	27
	81	123	6.08	2.76	1.33	3.32	44	24
	80	127	7.70	3.60	1.88	4.10	57	36
	79	152	7.09	3.55	1.86	3.54	57	33
3711	**MOTOR VEHICLES AND CAR BODIES**							
	1986-88		26.28	9.89	4.60	16.39	154	101
	88	23	47.86	17.37	9.14	30.49	276	189
3713	**TRUCK AND BUS BODIES**							
	1986-88		21.60	9.50	3.74	12.10	263	178
	88	5	24.04	13.59	5.83	10.45	159	139
3714	**MOTOR VEHICLE PARTS AND ACCESSORIES**							
	1986-88		13.35	4.37	1.69	8.99	84	42
	88	58	19.14	6.17	2.37	12.96	114	53
372	**AIRCRAFT AND PARTS**							
	1986-88		6.04	2.05	1.47	3.98	36	26
	88	20	7.43	2.60	1.65	4.82	53	39
	87	26	6.53	2.07	1.45	4.46	33	23
	86	29	4.43	1.59	1.33	2.84	25	20
	85	29	3.02	1.25	1.01	1.77	18	14
	84	31	2.90	.92	.87	1.97	12	11
	83	20	2.27	.71	.64	1.56	12	11
	82	22	2.43	.65	.63	1.78	11	10
	81	24	3.08	.84	.80	2.23	15	14
	80	19	3.07	.93	.83	2.14	18	17
	79	18	2.50	.94	.86	1.56	13	12
3721	**AIRCRAFT**							
	1986-88		6.70	2.24	1.62	4.46	41	32
	88	7	8.62	3.07	1.91	5.55	64	48
3724	**AIRCRAFT ENGINES AND ENGINE PARTS**							
	1986-88		8.05	3.05	1.85	5.00	42	21
	88	4	6.19	2.13	1.46	4.06	33	19
3728	**AIRCRAFT EQUIPMENT, NEC**							
	1986-88		2.73	.88	.75	1.85	15	12
	88	9	3.07	.89	.67	2.18	16	12
373	**SHIP AND BOAT BUILDING AND REPAIRING**							
	1986-88		21.94	8.85	4.82	13.09	110	62
	88	19	13.63	5.23	1.94	8.40	58	38
	87	19	14.99	5.98	2.24	9.01	50	31
	86	30	24.61	9.98	5.77	14.63	129	72
	85	31	21.78	10.23	6.09	11.55	115	61
	84	33	22.94	8.38	4.96	14.56	88	57
	83	38	22.84	8.65	5.75	14.18	108	74
	82	39	23.76	8.49	5.41	15.27	104	65
	81	35	27.44	8.77	5.14	18.67	115	79
	80	30	27.79	8.07	5.14	19.72	103	73
	79	28	31.24	9.24	5.36	22.00	138	89
3731	**SHIP BUILDING AND REPAIRING**							
	1986-88		22.05	8.88	4.83	13.17	110	62
	88	18	13.67	5.25	1.95	8.42	58	38
374	**RAILROAD EQUIPMENT**							
	1986-88		14.36	5.07	4.58	9.27	124	118
	88	6	17.28	5.28	4.88	11.97	123	116
	87	8	13.56	4.81	4.77	8.75	122	120
	86	12	11.98	5.10	4.07	6.88	128	118
	85	15	14.01	6.39	5.81	7.62	203	192
	84	15	10.62	5.68	4.36	4.94	152	125
	83	15	9.32	3.88	3.51	5.44	129	126
	82	15	10.47	4.74	4.06	5.73	177	159
	81	17	12.37	7.03	5.79	5.33	258	244
	80	18	16.60	8.19	6.66	8.40	230	188
	79	19	26.51	12.17	11.96	14.31	229	224

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
376	**GUIDED MISSILES, SPACE VEHICLES, PARTS**							
	1986-88		2.43	.92	.38	1.51	13	7
	88	21	3.49	1.28	.32	2.21	20	6
3761	**GUIDED MISSILES AND SPACE VEHICLES**							
	1986-88		2.29	.74	.53	1.55	13	10
	88	9	2.94	.80	.55	2.14	17	12
3764	**SPACE PROPULSION UNITS AND PARTS**							
	1986-88		3.61	1.57	.11	2.03	21	3
	88	10	3.86	1.74	.10	2.11	22	2
38	**INSTRUMENTS AND RELATED PRODUCTS**							
	1986-88		5.33	2.08	1.26	3.24	51	37
	88	72	5.52	2.43	1.11	3.09	44	24
381	**ENGINEERING & SCIENTIFIC INSTRUMENTS**							
	1986-88		3.11	1.61	1.38	1.50	27	24
	88	5	3.83	2.34	1.69	1.49	31	25
382	**MEASURING AND CONTROLLING DEVICES**							
	1986-88		6.89	2.66	1.99	4.22	51	42
	88	11	7.34	3.09	1.87	4.25	53	25
3822	**ENVIRONMENTAL CONTROLS**							
	1986-88		8.96	4.02	2.82	4.94	83	65
	88	4	10.31	4.65	2.88	5.65	84	38
3823	**PROCESS CONTROL INSTRUMENTS**							
	1986-88		6.51	2.35	1.82	4.16	33	28
	88	3	2.96	.39	.39	2.57	2	2
384	**MEDICAL INSTRUMENTS AND SUPPLIES**							
	1986-88		5.55	2.10	1.16	3.45	60	44
	88	35	5.82	2.36	1.04	3.46	42	22
3841	**SURGICAL AND MEDICAL INSTRUMENTS**							
	1986-88		2.64	1.05	.48	1.59	19	10
	88	12	3.02	1.28	.60	1.73	26	14
3842	**SURGICAL APPLIANCES AND SUPPLIES**							
	1986-88		6.87	2.47	1.52	4.40	83	63
	88	19	6.97	2.68	1.25	4.29	51	28
3843	**DENTAL EQUIPMENT AND SUPPLIES**							
	1986-88		6.62	3.58	.81	3.03	31	15
	88	4	7.70	4.45	1.02	3.25	32	7
386	**PHOTOGRAPHIC EQUIPMENT AND SUPPLIES**							
	1986-88		2.91	.67	.18	2.24	15	6
	88	18	3.29	1.21	.26	2.07	28	5
39	**MISCELLANEOUS MANUFACTURING INDUSTRIES**							
	1986-88		9.01	4.39	3.61	4.62	75	60
	88	40	9.74	4.74	3.74	5.01	78	62
394	**TOYS AND SPORTING GOODS**							
	1986-88		9.35	4.71	4.26	4.64	62	52
	88	14	9.27	4.97	4.26	4.30	57	43
3944	**GAMES, TOYS, AND CHILDREN'S VEHICLES**							
	1986-88		11.48	6.05	5.68	5.43	63	55
	88	5	10.82	6.06	5.29	4.76	59	39
3949	**SPORTING AND ATHLETIC GOODS, NEC**							
	1986-88		7.66	3.65	3.14	4.01	62	50
	88	9	7.95	4.04	3.39	3.92	56	46
399	**MISCELLANEOUS MANUFACTURES**							
	1986-88		9.14	4.18	2.96	4.95	81	59
	88	17	10.12	4.53	3.15	5.58	88	69
3999	**MANUFACTURING INDUSTRIES, NEC**							
	1986-88		7.22	4.39	3.43	2.84	110	89
	88	5	7.45	3.89	3.06	3.57	114	95
	TRANSPORTATION AND PUBLIC UTILITIES (40-49)							
	1986-88		6.65	3.71	2.76	2.93	77	59
	88	1,228	6.61	3.76	2.75	2.85	83	63
	87	1,265	6.35	3.66	2.67	2.67	77	58
	86	1,339	6.95	3.71	2.84	3.23	71	56
	85	1,413	6.53	3.45	2.51	3.07	70	52
	84	1,391	7.12	3.76	2.60	3.35	72	51
	83	1,328	7.22	3.94	2.77	3.28	73	51
	82	1,314	7.51	4.28	3.10	3.22	76	57
	81	1,418	5.01	2.81	1.97	2.19	49	35
	80	1,434	6.00	3.53	2.76	2.47	59	45
	79	1,499	5.94	3.38	2.59	2.56	62	45
	78	1,502	5.67	3.25	2.50	2.41	56	42
	77	1,485	5.98	3.35	2.52	2.62	59	43
	76	1,401	5.80	2.95	2.11	2.84	53	37
	75	1,240	5.42	2.54	1.82	2.87	49	32

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
40	**RAILROAD TRANSPORTATION**							
	1986-88		7.03	5.35	4.52	1.66	174	156
	88	19	7.32	5.72	5.04	1.59	205	188
	87	19	6.82	5.26	4.47	1.54	180	161
	86	20	6.95	5.10	4.08	1.83	140	123
	85	21	9.22	7.02	3.43	2.18	196	133
	84	22	9.04	6.61	2.21	2.43	148	68
	83	25	8.28	5.78	2.10	2.49	119	60
	82	26	8.53	6.14	2.45	2.38	120	73
	81	27	9.81	6.73	3.80	3.08	121	89
	80	27	11.69	8.23	6.52	3.43	125	110
	79	23	13.16	8.87	6.98	4.26	158	146
4011	**RAILROADS, LINE-HAUL OPERATING**							
	1986-88		6.99	5.37	4.55	1.60	174	158
	88	5	7.28	5.73	5.09	1.53	204	190
4013	**SWITCHING AND TERMINAL SERVICES**							
	1986-88		9.17	4.44	2.34	4.73	151	70
	88	14	9.43	4.96	2.62	4.47	246	85
41	**LOCAL AND INTERURBAN PASSENGER TRANSIT**							
	1986-88		15.48	9.98	9.93	5.50	218	217
	88	38	15.87	10.59	10.54	5.28	203	202
411	**LOCAL AND SUBURBAN TRANSPORTATION**							
	1986-88		16.24	10.52	10.51	5.71	224	223
	88	14	16.90	11.25	11.25	5.66	214	213
	87	16	15.90	10.06	10.05	5.84	254	254
	86	17	15.99	10.34	10.31	5.65	206	205
	85	17	16.81	10.68	10.65	6.13	189	189
	84	19	15.32	8.76	8.74	6.56	171	170
	83	19	12.86	9.93	8.03	2.92	153	113
	82	18	12.67	9.83	7.68	2.84	150	106
	81	19	13.49	10.18	7.61	3.29	215	170
	80	17	11.84	8.69	6.43	3.14	172	145
	79	17	13.03	10.71	8.30	2.32	169	142
4111	**LOCAL AND SUBURBAN TRANSIT**							
	1986-88		16.62	10.87	10.87	5.75	231	231
	88	13	17.04	11.49	11.49	5.55	218	218
414	**TRANSPORTATION CHARTER SERVICE**							
	1986-88		9.09	5.67	5.60	3.42	112	110
	88	3	9.86	5.46	5.25	4.41	76	73
415	**SCHOOL BUSES**							
	1986-88		8.81	4.39	4.30	4.42	109	107
	88	15	6.32	3.11	3.11	3.22	49	49
42	**TRUCKING AND WAREHOUSING**							
	1986-88		22.82	15.06	14.78	7.75	226	222
	88	81	22.67	15.81	15.62	6.85	278	276
421[e]	**TRUCKING, LOCAL AND LONG DISTANCE**							
	1986-88		23.04	17.65	15.37	7.76	234	232
	88	42	23.64	16.56	16.55	7.06	293	292
	87	53	22.28	17.37	17.30	4.90	249	245
	86	56	25.15	14.05	13.91	11.08	183	178
	85	50	17.95	10.93	10.54	6.98	191	185
	84	55	20.12	11.11	10.92	8.99	193	187
	83	48	18.18	9.98	9.82	8.19	161	154
	82	49	18.13	10.15	10.18	7.95	180	177
	81	132	28.67	16.00	12.97	12.62	164	158
	80	138	36.59	18.53	17.47	18.03	270	247
	79	136	28.25	13.87	13.51	14.33	196	188
4212	**LOCAL TRUCKING, WITHOUT STORAGE**							
	1986-88		26.45	17.95	17.92	8.50	257	256
	88	7	24.99	17.62	17.60	7.36	306	305
4213	**TRUCKING, EXCEPT LOCAL**							
	1986-88		9.08	5.68	5.58	3.36	153	147
	88	11	11.50	7.35	7.35	4.05	199	198
4214	**LOCAL TRUCKING AND STORAGE**							
	1986-88		11.43	4.12	4.12	7.25	135	126
	88	5	10.76	3.87	3.87	6.89	94	94
422	**PUBLIC WAREHOUSING**							
	1986-88		8.38	4.81	1.56	3.58	56	30
	88	28	8.19	4.99	1.93	3.19	63	36

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

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4225	**GENERAL WAREHOUSING AND STORAGE**							
	1986-88		7.02	5.16	1.04	1.86	39	9
	88	3	7.03	5.23	1.45	1.80	45	16
44	**WATER TRANSPORTATION**							
	1986-88		7.17	3.92	3.84	3.23	141	139
	88	98	6.77	3.74	3.72	3.00	156	155
	87	72	6.69	3.81	3.68	2.86	134	132
	86	78	7.92	4.17	4.08	3.74	131	129
	85	143	5.37	2.94	2.85	2.43	106	104
	84	141	4.28	2.57	2.48	1.70	99	98
	83	112	4.89	2.98	2.89	1.91	118	117
	82	126	4.93	3.07	3.00	1.84	119	119
	81	125	5.07	2.85	2.72	2.21	128	127
	80	144	4.83	2.83	2.70	1.99	112	110
	79	162	5.47	2.83	2.67	2.63	94	92
441	**DEEP SEA FOREIGN TRANSPORTATION**							
	1986-88		4.11	2.48	2.49	1.62	54	54
	88	7	1.10	1.10	1.10	.00	4	4
442	**DEEP SEA DOMESTIC TRANSPORTATION**							
	1986-88		4.71	1.87	1.89	2.81	49	46
	88	9	5.59	1.36	1.36	4.24	34	34
4422	**COASTWISE TRANSPORTATION**							
	1986-88		9.39	2.66	2.71	6.68	55	48
	88	7	10.16	.98	.98	9.18	7	7
444	**TRANSPORTATION ON RIVERS AND CANALS**							
	1986-88		5.91	4.09	4.06	1.80	218	214
	88	18	6.49	4.66	4.68	1.79	249	247
445	**LOCAL WATER TRANSPORTATION**							
	1986-88		11.37	3.28	3.28	8.09	61	60
	88	23	11.23	2.41	2.41	8.83	27	26
446	**WATER TRANSPORTATION SERVICES**							
	1986-88		10.38	6.27	5.98	4.10	221	219
	88	28	7.08	5.21	5.13	1.85	228	227
45	**TRANSPORTATION BY AIR**							
	1986-88		8.08	4.40	3.93	3.68	68	58
	88	118	6.52	3.46	2.78	3.06	54	42
	87	120	5.67	3.63	3.13	2.04	52	46
	86	122	9.97	5.20	4.83	4.77	81	72
	85	130	9.46	4.98	4.62	4.48	73	66
	84	110	6.72	3.42	3.23	3.29	44	41
	83	87	11.80	5.50	5.20	6.29	89	78
	82	81	13.55	4.83	4.59	8.70	74	65
	81	78	8.76	4.10	3.89	4.67	59	53
	80	76	10.84	7.52	7.08	3.32	98	83
	79	80	9.08	6.26	5.71	2.82	79	68
458	**AIR TRANSPORTATION SERVICES**							
	1986-88		5.58	3.30	2.68	2.28	48	42
	88	112	5.81	3.11	2.41	2.70	41	35
4582	**AIRPORTS AND FLYING FIELDS**							
	1986-88		5.56	3.31	2.68	2.25	48	42
	88	111	5.76	3.12	2.41	2.64	40	35
46	**PIPE LINES, EXCEPT NATURAL GAS**							
	1986-88		4.02	1.25	1.09	2.77	29	23
	88	70	4.01	1.51	1.30	2.51	40	30
	87	68	4.83	1.46	1.29	3.37	32	27
	86	67	3.30	.80	.72	2.50	16	14
	85	54	3.30	1.09	1.02	2.19	22	19
	84	56	3.81	.85	.82	2.95	23	22
	83	54	3.40	1.00	1.01	2.35	22	19
	82	58	3.72	.89	.81	2.82	20	18
	81	52	3.87	1.02	.94	2.83	24	23
	80	50	4.41	1.14	1.12	3.27	26	25
	79	61	4.93	1.49	1.40	3.44	22	20
4612	**CRUDE PETROLEUM PIPE LINES**							
	1986-88		3.82	1.07	.91	2.74	24	18
	88	37	4.32	1.36	1.15	2.96	38	31
4613	**REFINED PETROLEUM PIPE LINES**							
	1986-88		3.99	.85	.68	3.14	29	25
	88	17	3.53	1.00	.79	2.53	41	32

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
47	**TRANSPORTATION SERVICES**							
	1986-88		13.26	9.75	9.75	3.51	179	179
	88	9	13.39	9.14	9.14	4.25	207	207
478	**MISCELLANEOUS TRANSPORTATION SERVICES**							
	1986-88		13.40	10.10	10.10	3.30	184	184
	88	7	13.29	9.20	9.20	4.09	208	208
48	**COMMUNICATION**							
	1986-88		2.13	.94	.72	1.20	23	14
	88	61	1.89	.86	.68	1.03	23	13
	87	45	2.21	.99	.73	1.22	24	15
	86	51	2.44	1.00	.78	1.43	21	15
	85	58	2.27	1.00	.92	1.27	19	15
	84	59	2.87	1.33	1.17	1.55	24	19
	83	55	3.46	1.27	1.14	2.19	24	21
	82	56	3.10	1.05	1.00	2.05	26	24
	81	54	1.91	1.19	.81	.72	22	12
	80	51	2.00	1.29	.86	.71	26	14
	79	67	2.27	1.47	.95	.80	36	18
481	**TELEPHONE COMMUNICATION**							
	1986-88		2.32	1.04	.77	1.28	27	16
	88	58	1.95	.90	.70	1.05	26	14
49	**ELECTRIC, GAS, AND SANITARY SERVICES**							
	1986-88		5.63	2.79	1.63	2.83	53	32
	88	734	5.74	2.84	1.55	2.89	54	31
491	**ELECTRIC SERVICES**							
	1986-88		4.74	2.33	1.08	2.40	47	25
	88	412	5.04	2.39	1.01	2.65	49	23
	87	449	4.75	2.31	1.07	2.44	46	23
	86	469	4.45	2.29	1.16	2.16	47	27
	85	455	4.54	2.18	1.32	2.35	41	25
	84	433	5.14	2.53	1.52	2.60	48	30
	83	427	5.41	2.60	1.60	2.80	48	28
	82	407	5.67	2.78	1.68	2.88	52	35
	81	407	6.04	2.98	1.85	3.05	46	30
	80	395	6.46	3.21	2.07	3.24	60	42
	79	385	7.21	3.26	2.11	3.94	59	42
492	**GAS PRODUCTION AND DISTRIBUTION**							
	1986-88		6.89	3.39	2.55	3.49	59	42
	88	198	6.57	3.38	2.42	3.18	55	36
	87	208	6.98	3.48	2.61	3.50	64	47
	86	218	7.11	3.32	2.63	3.78	57	44
	85	245	7.37	3.38	2.89	3.99	62	51
	84	242	7.40	3.49	2.89	3.91	53	43
	83	231	7.51	3.48	2.71	4.02	58	44
	82	232	7.27	3.40	2.66	3.86	51	40
	81	205	7.16	3.33	2.63	3.83	51	39
	80	221	7.49	3.54	2.77	3.94	48	39
	79	231	7.45	3.53	2.76	3.92	58	46
4922	**NATURAL GAS TRANSMISSION**							
	1986-88		4.20	1.24	1.09	2.96	30	25
	88	45	4.00	1.28	1.08	2.71	30	23
4923	**GAS TRANSMISSION AND DISTRIBUTION**							
	1986-88		9.65	5.30	4.15	4.35	105	84
	88	15	8.49	4.89	3.69	3.59	91	68
4924	**NATURAL GAS DISTRIBUTION**							
	1986-88		7.58	3.72	2.86	3.86	55	37
	88	128	7.33	3.77	2.76	3.56	52	33
4925	**GAS PRODUCTION AND/OR DISTRIBUTION**							
	1986-88		7.61	5.47	3.09	2.13	99	62
	88	10	7.16	5.21	2.76	1.95	98	54
493	**COMBINATION UTILITY SERVICES**							
	1986-88		5.26	2.81	1.45	2.44	52	30
	88	61	5.83	3.04	1.58	2.78	58	34
4931	**ELECTRIC AND OTHER SERVICES COMBINED**							
	1986-88		5.35	2.73	1.29	2.62	51	27
	88	38	5.89	2.76	1.32	3.11	50	26
4932	**GAS AND OTHER SERVICES COMBINED**							
	1986-88		7.64	2.95	1.42	4.67	49	26
	88	6	7.66	2.77	1.31	4.88	39	23

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
4939	**COMBINATION UTILITY SERVICES, NEC**							
	1986-88		4.99	3.03	1.72	1.96	55	34
	88	16	5.85	3.68	2.08	2.16	75	49
494	**WATER SUPPLY**							
	1986-88		14.21	6.51	6.20	7.70	123	110
	88	41	12.36	6.30	5.94	6.06	138	119
495	**SANITARY SERVICES**							
	1986-88		19.72	7.75	7.23	11.96	159	142
	88	17	19.09	6.28	5.98	12.81	115	102
4952	**SEWERAGE SYSTEMS**							
	1986-88		20.18	7.78	7.35	12.40	163	147
	88	11	20.70	6.71	6.64	13.99	128	119
497	**IRRIGATION SYSTEMS**							
	1986-88		9.40	5.34	4.72	4.06	103	83
	88	3	9.49	5.01	4.05	4.48	115	79
	WHOLESALE AND RETAIL TRADE (50-59)							
	1986-88		5.77	2.87	2.04	2.89	54	41
	88	318	6.62	3.46	2.16	3.16	64	46
	87	337	5.91	2.78	1.98	3.13	55	41
	86	338	4.83	2.42	1.97	2.41	44	37
	85	333	4.23	2.07	1.72	2.15	40	33
	84	366	4.32	2.05	1.83	2.27	37	32
	83	308	4.72	2.18	1.96	2.53	35	30
	82	352	5.28	2.31	2.06	2.95	40	36
	81	351	5.37	2.52	2.18	2.84	46	40
	80	357	6.81	3.08	2.76	3.72	56	52
	79	383	7.60	3.48	3.22	4.11	57	51
	78	370	8.69	3.47	3.30	5.21	48	43
	77	364	6.72	2.58	2.44	4.14	44	41
	76	356	7.88	2.59	2.24	5.29	35	30
	75	352	8.43	2.56	2.36	5.86	38	35
	WHOLESALE TRADE (50-51)							
	1986-88		6.36	3.16	2.31	3.19	61	47
	88	292	7.99	4.18	2.70	3.79	81	59
50	**WHOLESALE TRADE-DURABLE GOODS**							
	1986-88		7.72	3.65	2.55	4.06	74	55
	88	156	9.70	5.03	3.12	4.66	101	72
501	**MOTOR VEHICLES & AUTOMOTIVE EQUIPMENT**							
	1986-88		5.85	2.93	1.87	2.91	49	32
	88	6	9.42	5.30	3.14	4.10	83	53
5013	**AUTOMOTIVE PARTS AND SUPPLIES**							
	1986-88		6.13	3.34	1.51	2.76	39	22
	88	5	6.76	3.98	1.50	2.71	44	23
502	**FURNITURE AND HOME FURNISHINGS**							
	1986-88		4.87	.59	.38	4.28	36	24
	88	10	6.31	.54	.21	5.76	42	17
505	**METALS AND MINERALS, EXCEPT PETROLEUM**							
	1986-88		10.93	5.27	4.04	5.66	114	98
	88	58	13.08	5.98	4.28	7.11	149	129
506	**ELECTRICAL GOODS**							
	1986-88		5.37	2.50	1.25	2.87	31	21
	88	5	4.64	1.70	.57	2.94	37	22
508	**MACHINERY, EQUIPMENT, AND SUPPLIES**							
	1986-88		5.88	3.21	2.25	2.66	61	35
	88	36	6.68	3.80	2.32	2.86	85	47
5082	**CONSTRUCTION AND MINING MACHINERY**							
	1986-88		8.81	4.34	4.10	4.44	68	59
	88	14	10.33	4.80	4.40	5.48	82	74
509	**MISCELLANEOUS DURABLE GOODS**							
	1986-88		12.40	6.14	3.62	6.24	158	118
	88	34	12.15	7.40	3.43	4.75	120	82
5093	**SCRAP AND WASTE MATERIALS**							
	1986-88		12.49	6.20	3.65	6.28	159	119
	88	33	12.23	7.44	3.45	4.78	121	82
51	**WHOLESALE TRADE-NONDURABLE GOODS**							
	1986-88		4.27	2.41	1.95	1.85	41	33
	88	136	4.75	2.57	1.92	2.15	45	36
513	**APPAREL, PIECE GOODS, AND NOTIONS**							
	1986-88		13.52	8.15	1.41	5.32	78	19
	88	5	13.20	8.86	1.09	4.34	114	13

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a] Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
514	**GROCERIES AND RELATED PRODUCTS**							
	1986-88		9.11	5.10	4.89	3.99	104	96
	88	26	9.72	5.27	5.20	4.42	91	81
5149	**GROCERIES AND RELATED PRODUCTS, NEC**							
	1986-88		6.03	3.18	2.94	2.85	86	77
	88	19	7.49	3.57	3.46	3.92	62	50
516	**CHEMICALS AND ALLIED PRODUCTS**							
	1986-88		1.99	.89	.51	1.11	18	11
	88	9	2.50	1.42	.74	1.08	43	29
517	**PETROLEUM AND PETROLEUM PRODUCTS**							
	1986-88		2.21	1.30	1.09	.89	21	17
	88	67	1.98	.87	.46	1.08	19	18
5171	**PETROLEUM BULK STATIONS & TERMINALS**							
	1986-88		1.75	.88	.64	.85	19	14
	88	55	2.19	.99	.54	1.17	23	21
5172	**PETROLEUM PRODUCTS, NEC**							
	1986-88		2.40	1.45	1.14	.95	29	25
	88	10	1.21	.43	.09	.78	4	3
	RETAIL TRADE (52-59)							
	1986-88		4.19	2.09	1.30	2.10	36	26
	88	26	3.35	1.72	.87	1.63	23	15
55	**AUTOMOTIVE DEALERS & SERVICE STATIONS**							
	1986-88		3.21	1.41	1.00	1.80	31	26
	88	14	2.58	1.13	.52	1.45	22	15
554	**GASOLINE SERVICE STATIONS**							
	1986-88		3.18	1.40	.99	1.78	31	26
	88	13	2.54	1.10	.50	1.44	22	15
	SERVICES (70-89)							
	1986-88		6.06	2.76	2.61	3.30	40	34
	88	133	4.99	2.34	2.22	2.64	35	28
	87	149	5.43	2.40	2.25	3.03	37	31
	86	177	7.29	3.32	3.14	3.97	46	41
	85	192	6.81	3.17	2.94	3.64	47	41
	84	195	7.41	3.39	3.08	4.01	48	42
	83	193	6.58	3.15	2.91	3.43	46	39
	82	188	6.98	3.31	3.11	3.67	48	42
	81	195	7.61	3.71	3.13	3.90	48	40
	80	208	8.06	3.91	3.50	4.14	56	48
	79	222	6.80	3.48	3.29	3.32	50	45
	78	235	7.76	4.03	3.66	3.72	57	48
	77	220	8.51	3.95	3.75	4.56	52	48
	76	191	5.62	2.35	2.23	3.26	33	30
	75	167	5.83	2.15	2.02	3.68	27	25
73	**BUSINESS SERVICES**							
	1986-88		2.12	.99	.85	1.13	15	12
	88	34	1.40	.66	.53	.74	11	7
734	**SERVICES TO BUILDINGS**							
	1986-88		8.88	3.96	3.64	4.90	69	61
	88	9	3.17	.93	.86	2.24	40	25
7347	**BUILDINGS & GROUNDS MAINT & SERV**							
	1986-88		9.82	4.43	4.05	5.37	77	67
	88	6	2.35	.60	.50	1.75	50	30
7349	**BUILDING MAINTENANCE SERVICES, NEC**							
	1986-88		4.75	1.90	1.85	2.85	32	32
	88	3	5.64	1.93	1.93	3.71	9	9
739	**MISCELLANEOUS BUSINESS SERVICES**							
	1986-88		1.54	.74	.59	.80	10	7
	88	22	1.49	.74	.57	.75	9	6
7391	**RESEARCH & DEVELOPMENT LABORATORIES**							
	1986-88		1.64	.79	.52	.85	10	6
	88	6	1.46	.73	.44	.73	9	6
76	**MISCELLANEOUS REPAIR SERVICES**							
	1986-88		19.76	7.37	6.95	12.39	138	125
	88	13	9.34	3.64	3.15	5.70	78	54
769	**MISCELLANEOUS REPAIR SHOPS**							
	1986-88		20.44	7.61	7.19	12.84	142	129
	88	12	9.74	3.72	3.20	6.02	83	57
80	**HEALTH SERVICES**							
	1986-88		7.94	3.82	3.64	4.12	54	45
	88	44	7.83	3.77	3.61	4.06	54	44

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
806	**HOSPITALS**							
	1986-88		7.88	3.77	3.59	4.11	53	44
	88	42	7.75	3.71	3.55	4.04	53	44
8062	**GENERAL MEDICAL & SURGICAL HOSPITALS**							
	1986-88		7.90	3.81	3.63	4.09	54	45
	88	39	7.84	3.77	3.62	4.07	55	45
82	**EDUCATIONAL SERVICES**							
	1986-88		4.31	2.28	2.26	2.03	29	28
	88	11	4.33	2.26	2.21	2.07	48	43
821	**ELEMENTARY AND SECONDARY SCHOOLS**							
	1986-88		4.39	2.45	2.44	1.94	31	30
	88	9	3.88	2.06	2.06	1.82	54	50
83	**SOCIAL SERVICES**							
	1986-88		9.98	4.23	3.92	5.74	78	66
	88	5	10.87	4.10	4.10	6.77	64	49
89	**MISCELLANEOUS SERVICES**							
	1986-88		2.09	.76	.72	1.34	13	10
	88	12	2.00	.81	.79	1.18	9	7
891	**ENGINEERING & ARCHITECTURAL SERVICES**							
	1986-88		1.07	.45	.43	.62	6	5
	88	9	1.10	.51	.48	.59	7	6
892	**NONCOMMERCIAL RESEARCH ORGANIZATIONS**							
	1986-88		4.70	1.55	1.48	3.15	31	23
	88	3	4.89	1.78	1.78	3.11	18	13
	PUBLIC ADMINISTRATION (GOVERNMENT) (91-97)							
	1986-88		12.14	5.31	4.93	6.83	96	85
	88	82	11.85	5.10	4.67	6.75	106	96
91	**EXECUTIVE, LEGISLATIVE, AND GENERAL**							
	1986-38		15.16	5.98	5.41	9.18	104	89
	88	40	18.74	6.75	5.91	11.98	127	115
9199	**GENERAL GOVERNMENT, NEC**							
	1986-88		16.54	6.46	5.83	10.08	113	97
	88	39	18.82	6.77	5.92	12.05	128	116
	87	44	18.39	5.91	5.27	12.48	143	128
	86	48	14.94	6.59	6.03	8.34	94	77
	85	40	14.56	6.50	5.92	8.05	119	103
	84	40	12.63	5.94	5.46	6.69	93	81
	83	41	14.46	6.20	5.82	8.25	102	90
	82	40	16.54	7.20	7.00	9.32	127	119
	81	40	16.77	9.05	6.77	7.70	112	91
	80	41	15.06	7.65	7.24	7.40	119	109
	79	37	17.40	9.13	8.81	8.25	116	109
	78	43	16.59	8.39	7.93	8.19	129	116
	77	40	15.32	8.33	8.14	6.98	127	121
	76	36	18.13	7.17	7.14	10.95	121	119
	75	33	18.84	7.50	7.50	11.33	123	122
92	**JUSTICE, PUBLIC ORDER, AND SAFETY**							
	1986-88		13.81	5.33	5.12	8.46	92	81
	88	12	9.61	2.76	2.69	6.84	80	54
9221	**POLICE PROTECTION**							
	1986-88		12.78	4.66	4.46	8.10	85	74
	88	8	9.45	2.69	2.64	6.76	74	47
9224	**FIRE PROTECTION**							
	1986-88		16.53	7.11	6.86	9.41	108	101
	88	4	11.29	3.53	3.18	7.76	140	127
95	**ENVIRONMENTAL QUALITY AND HOUSING**							
	1986-88		5.96	2.58	2.33	3.37	40	31
	88	20	6.22	2.60	2.35	3.61	40	30
96	**ADMINISTRATION OF ECONOMIC PROGRAMS**							
	1986-88		7.60	7.35	7.34	.25	174	173
	88	7	7.06	6.93	6.94	.13	187	187
9991	**STATE DEPARTMENT OF TRANSPORTATION**							
	1986-88		9.27	5.08	5.07	4.17	117	117
	88	70	9.64	5.07	5.10	4.53	144	144
0001	**OFFICES**							
	1986-88		1.97	.95	.89	1.03	16	12
	88	144	2.28	1.09	.81	1.18	17	13

SEE FOOTNOTES AT END OF TABLE

Recordable Occupational Injury and Illness Incidence Rates[a] by Industry, Reporters to the National Safety Council—continued.

SIC CODE[b] & Industry[c]	Years	No. of Units	Incidence Rates per 100 Full-Time Employees[a]: Total Recordable Cases	Total Lost Workday Cases	Cases Involving Days Away From Work & Deaths[d]	Nonfatal Cases Without Lost Workdays	Total Lost Workdays	Days Away From Work
0002 RESEARCH & DEVELOPMENT OR LABORATORY								
	1986-88		2.32	.76	.45	1.56	13	7
	88	185	2.61	.91	.53	1.70	13	7
0003 WAREHOUSE OR STORAGE YARD								
	1986-88		4.43	1.77	1.23	2.66	36	27
	88	70	5.65	2.08	1.37	3.57	50	34
0005 REPAIR SHOP								
	1986-88		9.27	1.74	1.15	7.51	42	31
	88	16	6.67	2.39	1.65	4.28	66	52

a Categories are based on OSHA definitions. 200,000 employee hours are used as the equivalent of 100 full-time employees.

b *Standard Industrial Classification Manual*, 1972 edition.

c Totals may include 2, 3 or 4 digit SIC codes not shown separately.

d 1986-88 incidence rates to be used as the primary rate for evaluating 1989 records of reporting units under the Award Program. Units participating in the National Safety Council safety contests are also ranked on these categories of cases.

e Excludes SIC 4215 in 1988 rate and 3 year rate.

SEE FOOTNOTES AT END OF TABLE

WORK ACCIDENTS, 1988

Between 1912 and 1988, accidental work deaths per 100,000 population were reduced 81 per cent, from 21 to 4. In 1912, an estimated 18,000 to 24,000 workers' lives were lost. In 1988, in a work force more than triple in size and producing almost 11 times as much, there were only 10,600 work deaths.

	Workers[a] (000)	Deaths	Death Rates[b]	Disabling Injuries[a]
All Industries	**114,300**	**10,600[c]**	**9**	**1,800,000**
Agriculture[d]	**3,100**	**1,500**	**48[e]**	**140,000**
Mining, quarrying[d]	**800**	**200**	**25**	**30,000**
Construction	**6,500**	**2,200**	**34**	**210,000**
Manufacturing	**19,500**	**1,100**	**6**	**350,000**
Transportation and public utilities	**5,800**	**1,400**	**24**	**140,000**
Trade[d]	**27,000**	**1,100**	**4**	**320,000**
Services[d]	**34,600**	**1,500**	**4**	**330,000**
Government	**17,000**	**1,600**	**9**	**280,000**

Source: National Safety Council estimates (rounded) based on data from the National Center for Health Statistics, state vital statistics departments (see page 28), and state industrial commissions. Numbers of workers are based on Bureau of Labor Statistics data and include persons aged 14 and over.

[a]See definitions on inside back cover. [b]Deaths per 100,000 workers in each group.

[c]About 3,900 of the deaths and 200,000 of the injuries involved motor vehicles.

[d]Agriculture includes forestry and fishing; see also page 97. Mining and quarrying includes oil and gas extraction (preliminary MSHA reports indicate 102 deaths in coal, metal, and non metal mining in 1988). Trade includes wholesale and retail trade. Services includes finance, insurance and real estate.

[e]Agriculture rate excludes deaths of persons under 14 years of age. Rates for other industry divisions do not require this adjustment. Deaths of persons under 14 are included in the agriculture death total.

Worker deaths and injuries on and off the job

Three out of four deaths, and more than half of the injuries suffered by workers in 1988 occurred off the job. The ratios of off-the-job deaths and injuries to on-the-job were 3.52 to 1 and 1.56 to 1, respectively. Production time lost due to off-the-job accidents totaled about 60,000,000 days in 1988, compared with 35,000,000 days lost by workers injured on the job. Production time lost in future years due to off-the-job accidents in 1988 will total an estimated 290,000,000 days. Off-the-job accidents to workers cost the nation at least $44.0 billion in 1988.

Place	Deaths		Disabling Injuries	1988 Rates[a]	
	1988	1987	1988	Deaths	Injuries
All Accidents	**47,900**	**47,300**	**4,600,000**	**.07**	**6.9**
On the job	**10,600**	**11,100**	**1,800,000**	**.05**	**7.9**
Off the job	**37,300**	**36,200**	**2,800,000**	**.09**	**6.4**
Motor-vehicle	24,600	24,100	1,000,000	.59	24.0
Public nonmotor-vehicle	6,200	6,100	800,000	.04	5.1
Home	6,500	6,000	1,000,000	.03	4.2

Source: National Safety Council estimates. [a]Per 1,000,000 hours exposure, by place.

Time lost because of work injuries

DAYS LOST

TOTAL TIME LOST IN 1988 75,000,000

Due to Accidents in 1988 35,000,000

Includes primarily the actual time lost during the year from disabling injuries, except that it does not include time lost on the day of the injury or time required for further medical treatment or check-up following the injured person's return to work.

Fatalities are included at an average loss of 150 days per case, and permanent impairments are included at actual days lost plus an allowance for lost efficiency resulting from the impairment.

Not included is time lost by persons with nondisabling injuries or other persons directly or indirectly involved in accidents.

Due to Accidents in Prior Years 40,000,000

This is an indicator of the productive time lost in 1988 due to permanently disabling injuries that occurred in prior years.

TIME LOSS IN FUTURE YEARS FROM 1988 ACCIDENTS 100,000,000

Includes time lost in future years due to on-the-job deaths and permanently disabling injuries that occurred in 1988.

Work accident costs

The true cost to the nation, to employers, and to individuals of work related deaths and injuries is much greater than the cost of workers' compensation insurance alone. The figures presented below show the National Safety Council's estimates of the total costs of occupational deaths and injuries. Uninsured costs are estimated, conservatively, to be equal to insured costs. The Council recommends, however, that each organization establish its own ratio of uninsured to insured costs through a study of its own experience. Guidance for such a study is contained in the Council's *Accident Prevention Manual.*

TOTAL COST IN 1988 ..... $47.1 billion

Includes wage losses of $7.9 billion, insurance administrative costs of $6.0 billion, and medical costs of $8.1 billion. Includes uninsured costs of $22.0 billion such as the money value of time lost by workers other than those with disabling injuries, who are directly or indirectly involved in accidents, and the cost of the time required to investigate accidents, write up accident reports, etc. Also includes fire losses of $3.1 billion, but excludes the cost of other property damage.

Cost per Worker $410

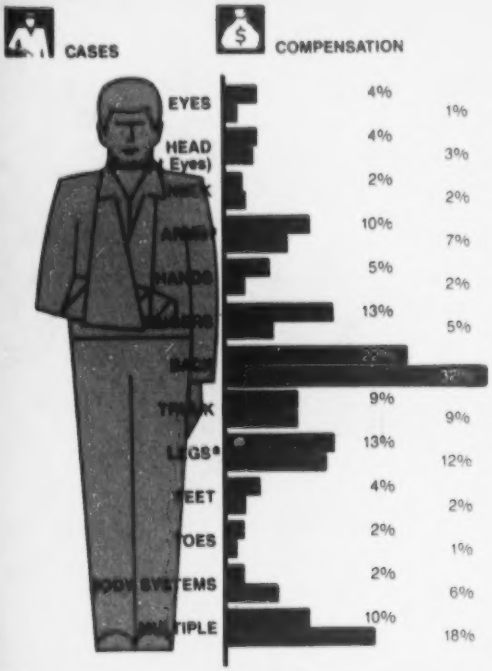
This figure indicates the value of goods or services each worker must produce to offset the cost of work injuries. It is *not* the average cost of a work injury.

Cost per Death $550,000

Cost per Disabling Injury $16,800

These figures include estimates of wage losses, medical expenses, insurance administration costs, and uninsured costs, and exclude any property damage costs.

Part of body injured in work accidents



Source: State Labor Departments, 1985-1987; cases—21 States, compensation—12 States.
[a]Includes multiple or NEC extremity injuries amounting to about 1 per cent of the total cases and compensation.

Disabling work injuries in the entire nation totaled approximately 1,800,000 in 1988. Of these, about 10,600 were fatal and 60,000 resulted in some permanent impairment.

Injuries to the back occurred most frequently, followed by thumb and finger injuries and leg injuries, according to state labor department reports. See pages 34 and 40 for other compensation figures.

Eyes	**70,000**
Head (except eyes)	**70,000**
Neck	**40,000**
Arms[a]	**180,000**
Hands	**90,000**
Fingers	**230,000**
Back	**400,000**
Trunk	**160,000**
Legs[a]	**230,000**
Feet	**70,000**
Toes	**40,000**
Body Systems	**40,000**
Multiple	**180,000**

Average Workers' Compensation Payments by Part of Body, 1985

The table below shows the per cent distribution of closed workers' compensation cases in 9 states during 1985 by part of body, and the average amount of indemnity compensation and medical payments per case.

Part of Body[a]	Per Cent of Total Cases Closed	Average Indemnity Compensation[b]	Average Medical Payment[b]
Total	**100.0%**	**$4,035**	**$2,012**
Head	5.1	3,312	1,874
Eye	*1.1*	*2,502*	*1,164*
Neck	1.7	5,303	2,438
Upper extremities	25.6	2,234	1,382
Arm	*4.2*	*3,024*	*1,591*
Wrist	*4.4*	*2,915*	*1,538*
Hand	*4.1*	*2,114*	*1,328*
Finger	*11.7*	*1,627*	*1,150*
Trunk	37.0	4,583	2,224
Back	*26.2*	*5,193*	*2,358*
Lower extremities	20.0	2,848	1,734
Leg	*9.5*	*3,704*	*2,356*
Foot	*3.6*	*2,129*	*1,118*
Toe	*1.8*	*1,209*	*791*
Multiple	9.0	7,323	3,610
Body system	1.2	20,940	3,110
Nonclassifiable	0.3	7,219	2,202

Source: Bureau of Labor Statistics Supplementary Data System, based on 353,449 closed cases from 9 states, 1985.
[a]Group totals contain some categories not listed separately.
[b]Cases in which no indemnity compensation or medical payment was awarded are excluded when computing averages. Overall average based on 345,613 indemnity compensation cases and 101,706 medical payment cases.

Deaths in work accidents

Of the 10,600 work deaths in 1988, about 42 per cent were to those aged 25 to 44 years. By type of accident, more than one third of all fatalities involved motor-vehicle accidents. Falls were the next highest type with about 13 per cent.

The table below shows the number of work deaths by age in 1988 and the per cent distribution by type of accident for the various age groups.

Work Deaths by Type of Accident and Age, 1986 and 1988

Type of Accident	All Ages	Age					
		5-14	15-24	25-44	45-64	65-74	75 & Over
All Types	*10,600*	*100*	*1,800*	*4,500*	*3,000*	*800*	*400*
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Motor-vehicle	35.1	0.0	50.0	34.0	34.5	25.0	0.0
Falls	12.6	5.0	9.0	8.8	14.7	19.5	50.8
Electric current	4.3	3.0	6.3	5.2	2.9	0.9	0.5
Drowning	3.6	0.0	5.3	4.1	2.6	1.3	2.0
Fires, burns	3.4	8.0	2.9	3.4	2.9	5.6	4.3
Poison (solid, liquid)	2.9	0.0	1.1	4.9	2.0	1.5	0.0
Air transport	2.8	0.0	0.6	4.4	2.9	0.5	0.0
Water transport	2.0	0.0	2.1	2.5	1.7	0.5	0.3
Poison (gas, vapor)	1.6	0.0	1.8	1.8	1.4	1.1	0.3
Other[a]	31.7	84.0	20.9	30.9	34.4	44.1	41.8

Source: National Safety Council estimates. All types totals are 1988 estimates. Per cent distribution based on 1986 data (latest year available).

[a]Principal types include machinery, struck by falling object, railway, and mechanical suffocation.

Work injuries by type of accident

About 28 per cent of all disabling work injuries result from overexertions, according to data from the Bureau of Labor Statistics 1983 Supplementary Data System (SDS) file. Injuries involving being struck by or struck against an object were the next most frequent with about 26 per cent. Per cent distributions by type of accident for major industry divisions are shown below.

The SDS file used in the tabulations includes only workers' compensation cases that involved disability from 18 states in 1983.

Work Injuries Involving Disability by Type of Accident and Industry Division, 1983

Type of Accident[a]	All Industries	Agriculture[a,b]	Mining[b]	Construction	Manufacturing	Trans. and Pub. Util.	Trade[b]	Services[b]	Public Sector
Total[c]	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**
Overexertion	28.2	21.9	22.2	23.6	29.4	28.8	28.4	31.9	26.2
Struck by or struck against	25.9	31.5	29.9	28.6	27.1	19.6	29.9	21.5	21.9
Falls	16.4	18.0	12.8	21.4	11.7	18.9	16.5	18.9	18.5
Bodily reaction	7.4	6.3	5.9	6.4	6.7	8.9	6.3	7.9	10.2
Caught in or between	6.0	6.9	9.5	4.8	9.7	4.7	4.9	4.0	3.5
Contact with radiation, caustics, etc	3.5	5.3	7.8	2.7	3.8	2.1	1.9	4.3	5.0
Motor-vehicle accident	3.0	2.6	2.6	2.0	1.0	9.1	2.4	3.1	5.5
Rubbed or abraded	2.6	2.8	2.5	4.4	3.5	1.7	1.9	1.8	1.6
Contact with temperature extremes	2.3	1.2	1.8	2.1	2.0	0.9	4.1	1.9	1.7
Other, nonclassifiable	4.7	3.7	4.9	4.0	4.9	5.3	3.8	4.7	6.0

Source: Bureau of Labor Statistics Supplementary Data System, based on 999,703 cases involving disability from 18 states, 1983.

[a]Excludes farms with less than 11 employees.

[b]Agriculture includes forestry and fishing; mining includes quarrying and oil and gas extraction; trade includes wholesale and retail; services includes finance, insurance, and real estate.

[c]Components may not add to totals due to rounding.

National Safety Council Occupational Safety/Health Awards

The following table shows the number of units whose 1988 records were reported to the National Safety Council for award evaluation, and the number earning awards. These awards are available to members of the Council under its Occupational Safety/Health Award Program. The Award Program is based on the OSHA Recordkeeping Requirements.

The Award of Honor was earned by about 5 out of 100 member units whose records were submitted for evaluation. Overall, about 2 out of 5 participating units received recognition for their 1988 safety records.

Contest awards for 1st, 2nd or 3rd place in the Council's Occupational Safety/Health Contests totalled 312. In addition, units with perfect records receive recognition under the Award Program and are included in the totals below.

Industry[a]	SIC Code[b]	Units Evaluated	Number of Awards				
			Total	Honor	Merit	Commendation	President's Citation Letter
All Industries		**6,781**	**2,591**	**336**	**574**	**872**	**809**
Agriculture, forestry and fishing	01-09	**37**	**18**	**1**	**1**	**8**	**8**
Mining		**482**	**308**	**13**	**35**	**97**	**163**
Metal mining	10	49	29	3	11	7	8
Bituminous coal & lignite mining	12	27	10	3	5	2	0
Oil & gas extraction	13	168	109	6	13	29	61
Nonmetallic minerals, exc. fuels	14	482	308	13	35	97	163
Construction	15-17	**259**	**101**	**21**	**19**	**26**	**35**
Manufacturing		**4,228**	**1,446**	**259**	**410**	**494**	**283**
Nondurable goods		2,586	1,013	179	274	370	190
Food & kindred products	20	363	108	17	32	29	30
Meat products	201	41	11	5	4	1	1
Textile mill products	22	285	124	23	50	46	5
Paper & allied products	26	387	69	12	19	29	9
Printing & publishing	27	72	24	1	6	11	6
Chemicals & allied products	28	1,033	531	90	128	200	113
Agricultural chemicals	287	120	74	13	14	28	19
Petroleum & coal products	29	178	64	17	19	14	14
Rubber & misc. plastics products	30	179	64	14	11	30	9
Leather & leather products	31	35	15	0	5	8	2
Durable goods		1,642	433	80	136	124	93
Lumber & wood products	24	139	47	4	16	14	13
Furniture & fixtures	25	53	6	1	3	1	1
Stone, clay & glass products	32	268	83	9	28	22	24
Cement, hydraulic	324	27	8	1	1	5	1
Blast furnace, basic steel products	331	40	5	1	3	1	0
Iron & steel foundries	332	46	7	1	5	1	0
Primary nonferrous metals	333	29	6	0	5	1	0
Nonferrous rolling, drawing	335	71	15	4	8	2	1
Fabricated metal products	34	251	63	17	20	18	8
Machinery, except electrical	35	208	48	8	13	16	11
Electric & electronic equipment	36	233	71	8	19	24	20
Motor vehicles & equipment	371	96	17	1	0	9	7
Aircraft & parts	372	20	5	3	1	1	0
Ship & boat building & repair	373	19	9	3	1	2	3
Railroad equipment	374	6	1	0	1	0	0
Transportation & public utilities		**1,194**	**469**	**25**	**70**	**166**	**208**
Railroad transportation	40	18	5	0	1	2	2
Local & suburban transit	411	13	2	0	1	0	1
Trucking, local & long distance	421	39	16	1	3	1	11
Water transportation	44	86	42	0	4	17	21
Air transportation	45	114	55	0	2	14	39
Pipeline transportation	46	63	36	1	2	17	16
Communication	48	46	22	2	1	11	8
Electric service	491	424	151	10	35	60	46
Gas production & distribution	492	192	73	4	11	27	31
Wholesale & retail trade	50-59	**309**	**180**	**7**	**21**	**68**	**84**
Finance, insurance, and real estate	60-67	**2**	**1**	**0**	**1**	**0**	**0**
Services	70-89	**122**	**36**	**6**	**8**	**8**	**14**
General government	9199	34	7	2	2	2	1

[a]Totals may include 2, 3 or 4 digit SIC codes not shown separately.
[b]*Standard Industrial Classification Manual*, 1972 Edition.

Best Records Known In Industry

The following list shows, by SIC code, the largest number of continuous hours (over 1,000,000) worked without an occupational injury or illness involving days away from work or death in accordance with the OSHA Recordkeeping Requirements, as reported since January, 1977 to the National Safety Council.

SIC Code	Industry	Organization	Hours Worked
0133	Sugar Crops	MAUNA KEA SUGAR COMPANY, INC. Papaokou, Hawaii	1,042,978
0851	Forestry Services	INTERNATIONAL PAPER COMPANY Mid-South Woodlands Region Land & Timber Shreveport, Louisiana	5,073,102
1011	Iron Ores	LTV STEEL MINING COMPANY Ore Dressing Department Hoyt Lakes, Minnesota	1,892,801
1021	Copper Ores	KENNECOTT COPPER CORPORATION Reduction Plant McGill, Nevada	2,706,296
1040	Gold and Silver Ores	FMC GOLD COMPANY Paradise Peak Hawthorne, Nevada	1,129,215
1041	Gold Ores	DUVAL CORPORATION Metals Division Battle Mountain, Nevada	1,568,818
1051	Bauxite and Other Aluminum Ores	KAISER JAMAICA BAUXITE COMPANY St. Ann, Jamaica	4,880,199
1061	Ferroalloy Ores, Except Vanadium	UNION CARBIDE CORPORATION Metals Division, Bishop Mill Bishop, California	1,956,205
1081	Metal Mining Services	KERR-MCGEE CORPORATION Minerals Exploration Division Oklahoma City, Oklahoma	1,374,402
1094	Uranium-Radium-Vanadium Ores	UNITED NUCLEAR-HOMESTAKE PARTNERS Mines General Grants, New Mexico	2,342,218
1099	Metal Ores, NEC	E. I. DU PONT DE NEMOURS & CO., INC. Florida Plant Starke, Florida	7,375,012
1211	Bituminous Coal and Lignite	CARTER MINING COMPANY Entire Gillette, Wyoming	2,530,545
1311	Crude Petroleum & Natural Gas	MOBIL OIL INDONESIA Medan, Indonesia	16,596,459
1321	Natural Gas Liquids	P.T. ARUN NATURAL GAS LIQUEFACTION COMPANY Lhokseumawe, Aceh Utara Indonesia	10,670,324
1382	Oil & Gas Exploration Services	KERR-MCGEE CORPORATION E & P Exploration Division Oklahoma City, Oklahoma	3,852,827
1422	Crushed & Broken Limestone	THE GENSTAR STONE PRODUCTS COMPANY Stephens City, Virginia	1,857,039
1429	Crushed & Broken Stone, NEC	TEXAS INDUSTRIES, INC. Bridgeport Stone Plant Bridgeport, Texas	2,764,866
1442	Construction Sand & Gravel	TEXAS INDUSTRIES, INC. Arlington, Texas	1,480,770
1455	Kaolin & Ball Clay	ENGELHARD CORPORATION Daveyville Plants McIntyre, Georgia	2,006,750

SIC Code	Industry	Organization	Hours Worked
1459	Clay, Ceramic and Refractory Minerals, NEC	ENGLELHARD CORPORATION Attapulgus Operations Attapulgus, Georgia	4,824,059
1474	Potash, Soda & Borate Minerals	FMC CORPORATION Industrial Chemical Group Green River, Wyoming	3,000,000
1475	Phosphate Rock	USS AGRI-CHEMICALS Rockland Mine Fort Meade, Florida	1,779,087
1499	Miscellaneous Non-metallic Minerals, NEC	UNIMIN CORPORATION Quartz Operations Spruce Pine, North Carolina	2,013,762
1500	General Building Contractors	E. I. DU PONT DE NEMOURS & CO., INC. Savannah River Plant Augusta, Georgia	11,071,471
1541	Industrial Buildings & Warehouses	ROHM & HASS COMPANY Engineering Division Bristol, Pennsylvania	7,019,403
1611	Highway & Street Construction	APAC CAROLINA, INC. Thompson-Arthur Division Greensboro, North Carolina	4,017,213
1620	Heavy Construction, Except Highway & Street Construction	KIEWIT INDUSTRIES COMPANY Power & Process District Omaha, Nebraska	3,865,223
1622	Bridge, Tunnel, & Elevated Highway	PETER KIEWIT SONS' COMPANY Eastern Marine District Cresskill, New Jersey	1,225,972
1623	Water, Sewer & Utility Lines	DODSAL GMBD Sultanate of Oman	1,972,861
1629	Heavy Construction, NEC	FLUOR DANIEL/DU PONT Cape Fear Project Wilmington, North Carolina	19,000,000
1731	Electrical Work	MILLER-DUNN ELECTRIC COMPANY Savannah River Plant Aiken, South Carolina	6,970,000
1771	Concrete Work	UNION ROCK MATERIALS Phoenix, Arizona	3,366,550
1796	Installing Building Equipment, NEC	DANIEL CONSTRUCTION COMPANY Maintenance & Industrial Services Company Greenwood, South Carolina	1,425,804
2000	Food & Kindred Products	PROCTER & GAMBLE COMPANY Foods Building Cincinnati, Ohio	2,524,232
2011	Meat Packing Plants	THOMAS J. LIPTON, INC. Morton House Kitchens Nebraska City, Nebraska	2,493,993
2013	Sausages and Other Prepared Meats	UNION CARBIDE CORPORATION Films-Packaging Division Chicago, Illinois	4,511,446
2016	Poultry Dressing Plants	VICTOR F. WEAVER, INC. New Holland, Pennsylvania	1,959,200
2020	Dairy Products	KRAFT, INCORPORATED Lehigh Valley Plant Fogelsville, Pennsylvania	2,303,748
2022	Cheese, Natural and Processed	KRAFT, INCORPORATED Springfield, Missouri	4,988,216
2023	Condensed & Evaporated Milk	ROSS LABORATORIES Division of Abbott Labs Altavista, Virginia	4,000,785
2024	Ice Cream and Frozen Desserts	BORDEN, INCORPORATED Dairy and Services Division San Antonio, Texas	1,359,285
2030	Canned & Preserved Fruits & Vegetables	KRAFT, INCORPORATED Production Plant Springfield, Missouri	3,966,974

SIC Code	Industry	Organization	Hours Worked
2032	Canned Specialties	HEINZ U.S.A. Tracy Factory Tracy, California	1,189,141
2033	Canned Fruits and Vegetables	CAMPBELL SOUP COMPANY Paris, Texas	2,280,378
2035	Pickles, Sauces and Salad Dressings	VLASIC FOODS, INC. Greenville, Mississippi	2,875,323
2037	Frozen Fruits, Juices, & Vegetables	ORE-IDA FOODS, INC. Plover Factory Plover, Wisconsin	2,253,955
2038	Frozen Specialties	CAMPBELL SOUP COMPANY Swanson Division Salisbury, Maryland	4,507,697
2043	Cereal Breakfast Foods	GENERAL MILLS, INC. Package Foods Plant Chicago, Illinois	1,951,956
2044	Rice Milling	UNCLE BENS, INC. Houston, Texas	1,923,200
2046	Wet Corn Milling	A. E. STALEY COMPANY Decatur Plant Decatur, Illinois	2,379,450
2047	Dog, Cat, and Other Pet Food	RALSTON PURINA, INC. Grocery Products Division Flagstaff, Arizona	1,298,168
2048	Prepared Feeds, NEC	KENT FEEDS, INC. Muscatine, Iowa	2,587,560
2051	Bread, Cake and Related Products	DRAKE BAKERIES Food Division of Borden Inc. Wayne, New Jersey	3,947,515
2052	Cookies and Crackers	PROCTER & GAMBLE MANUFACTURING COMPANY Jackson Plant Jackson, Tennessee	6,309,503
2062	Cane Sugar Refining	SAVANNAH SUGAR REFINERY Savannah, Georgia	2,177,303
2065	Confectionery Products	M&M/MARS INCORPORATED Elizabethtown, Pennsylvania	2,316,698
2070	Fats and Oils	KRAFT, INCORPORATED Oil & Paste Plant Champaign, Illinois	5,700,071
2079	Shortening and Cooking Oils	PROCTER & GAMBLE COMPANY Port Ivory Food Plant Staten Island, New York	4,689,266
2082	Malt Beverages	MILLER BREWING COMPANY Brewery Albany, Georgia	2,701,764
2085	Distilled Liquor Except Brandy	SCHENLEY INDUSTRIES, INC. Fresno, California	2,905,245
2091	Canned and Cured Fish & Seafoods	RALSTON PURINA COMPANY Van Camp Seafood Division San Diego, California	3,606,710
2095	Roasted Coffee	THE FOLGER COFFEE COMPANY Sherman, Texas	2,102,060
2099	Food Preparations, NEC	PROCTER & GAMBLE MANUFACTURING COMPANY Ivorydale Technical Center Cincinnati, Ohio	4,439,911
2100	Tobacco Manufactures	AMERICAN TOBACCO COMPANY Research & Development Department Hopewell, Virginia	1,019,293
2111	Cigarettes	PHILLIP MORRIS, U.S.A. Manufacturing Center-Make/Pack Richmond, Virginia	2,388,214
2200	Textile Mill Products	AVONDALE MILLS General Office Sylacauga, Alabama	1,713,200

SIC Code	Industry	Organization	Hours Worked
2211	Weaving Mills, Cotton	RIEGEL TEXTILE CORPORATION Trion Grey Mill Trion, Georgia	11,066,705
2221	Broad Woven Fabric Mills, Man-Made Fiber & Silk	BURLINGTON INDUSTRIES, INC. Burlington Glass Fabrics Altavista, Virginia	10,843,896
2231	Broad Woven Fabric Mills, Wool	BURLINGTON INDUSTRIES, INC. Menswear Dyeing Plant Raeford, North Carolina	12,506,920
2241	Narrow Fabric Mills	J.P. STEVENS & COMPANY, INC. Rosemary Plant Roanoke Rapids, North Carolina	5,780,811
2251	Women's Hosiery, Except Socks	COLLINS & AIKMAN CORPORATION Hosiery Division Prosperity, South Carolina	2,807,477
2252	Hosiery, Except Women's	BALFOUR, INCORPORATED Rockwood Plant Rockwood, Tennessee	4,000,000
2253	Knit Outerwear Mills	MILLIKEN & COMPANY Hatch Plant Columbus, North Carolina	1,935,259
2254	Knit Underwear Mills	REEVES BROTHERS, INC. West Knitting Mills - Plant 3 Wadesboro, North Carolina	4,985,722
2257	Circular Knit Fabric Mills	BURLINGTON INDUSTRIES, INC. Burlington Knitted Fabrics Division Denton, North Carolina	7,575,429
2258	Warp Knit Fabric Mills	J.P. STEVENS & COMPANY, INC. Knit & Narrow Fabrics Division Greensboro, North Carolina	3,512,415
2259	Knitting Mills, NEC	WEST POINT PEPPERELL, INC. Lumberton Plant Lumberton, North Carolina	5,005,855
2260	Textile Finishing, Except Wool	J. P. STEVENS & COMPANY, INC. Holly Plant Wallace, North Carolina	4,854,090
2261	Finishing Plants, Cotton	DAN RIVER, INC. Danville Manufacturing, Division III Danville, Virginia	4,150,429
2262	Finishing Plants, Synthetics	COLLINS & AIKMAN CORPORATION Cavel Division Roxboro, North Carolina	4,789,820
2269	Finishing Plants, NEC	E. I. DU PONT DE NEMOURS & CO., INC. Chestnut Run Fibers Laboratory Wilmington, Delaware	16,702,431
2270	Floor Covering Mills	COLLINS & AIKMAN CORPORATION Automotive Division Old Fort, North Carolina	4,903,265
2271	Woven Carpets and Rugs	COLLINS & AIKMAN CORPORATION Automotive Division Albemarle, North Carolina	5,570,062
2272	Tufted Carpets and Rugs	COLLINS & AIKMAN CORPORATION Carpet Division Dalton, Georgia	2,629,239
2279	Carpets and Rugs, NEC	MOHASCO CORPORATION Dixiana Mill Dillon, South Carolina	3,537,596
2281	Yarn Mills, Except Wool	CELANESE FIBERS COMPANY Amcelle Plant Cumberland, Maryland	11,708,667
2282	Throwing and Winding Mills	COLLINS & AIKMAN CORPORATION Yarn Division Norwood, North Carolina	4,227,843
2283	Wool Yarn Mills	BURLINGTON INDUSTRIES, INC. Menswear Division Raeford, North Carolina	5,240,349

SIC Code	Industry	Organization	Hours Worked
2284	Thread Mills	COATS & CLARK, INC. Mill #1 Toccoa, Georgia	3,527,418
2290	Miscellaneous Textile Goods	J. P. STEVENS & COMPANY, INC. Bob Stevens Distribution Wagram, North Carolina	2,790,537
2295	Coated Fabrics, Not Rubberized	E. I. DU PONT DE NEMOURS & CO., INC. Fairfield Plant Fairfield, Connecticut	2,863,047
2296	Tire Cord and Fabric	FIRESTONE TEXTILES COMPANY Gastonia, North Carolina	4,700,147
2297	Nonwoven Fabrics	PHILLIPS PETROLEUM COMPANY Rocky Mountain, North Carolina	2,439,001
2298	Cordage and Twine	EXXON CHEMICAL COMPANY Polymers Group Kingman, Kansas	2,252,328
2299	Textile Goods, NEC	MILLIKEN & COMPANY Saluda Mill, South Carolina	6,155,869
2311	Men's & Boys' Suits & Coats	GENESCO, INC. Greif & Company Verona, Virginia	1,029,808
2329	Men's & Boys' Clothing, NEC	RUSSELL CORPORATION Lafayette Sewing Plant Lafayette, Alabama	4,294,567
2341	Women's & Children's Underwear	GERBER CHILDRENSWEAR, INC. Lumberton, North Carolina	8,677,799
2369	Children's Outerwear, NEC	MOUNT VERNON MILLS Johnston, South Carolina	7,885,995
2389	Apparel and Accessories, NEC	AVENT, INCORPORATED Division of Kimberly Clark Corporation Tucson, Arizona	2,083,198
2391	Curtains and Draperies	BURLINGTON INDUSTRIES, INC. Reidsville Drapery Plant Reidsville, North Carolina	4,753,557
2392	House Furnishings, NEC	SPRINGS INDUSTRIES, INC. Grace Sewing Plant Lancaster, South Carolina	3,869,698
2411	Logging Camps & Logging Contractors	INTERNATIONAL PAPER COMPANY Mid-South Region, Logging & Fiber Supply Shreveport, Louisiana	4,840,811
2421	Sawmills and Planning Mills, General	MANVILLE FOREST PRODUCTS CORPORATION Huttig, Arkansas	4,214,263
2435	Hardwood Veneer & Plywood	THOMASVILLE FURNITURE INDUSTRIES Veneer Plant Sawmills, North Carolina	1,782,908
2436	Softwood Veneer and Plywood	OLINKRAFT, INCORPORATED Wood Mosaic Division Louisville, Kentucky	2,237,680
2439	Structural Wood Members, NEC	KOPPERS COMPANY, INC. Forest Products Group Magnolia, Arkansas	2,818,619
2492	Particleboard	MANVILLE FOREST PRODUCTS CORPORATION Lillie, Louisiana	2,699,650
2499	Wood Products, NEC	ABITIBI CORPORATION Roaring River, North Carolina	2,623,547
2511	Wood Household Furniture	THOMASVILLE FURNITURE, INC. Lenoir Plant Lenoir, North Carolina	3,157,052
2512	Upholstered Household Furniture	DREXEL HERITAGE FURNISHINGS, INC. Plant #8 Shelby, North Carolina	3,608,024
2514	Metal Household Furniture	LEAR SIEGLER, INC. West Plant Seymour, Indiana	1,072,964

SIC Code	Industry	Organization	Hours Worked
2521	Wood Office Furniture	STEELCASE-CAROLINA Fletcher, North Carolina	1,682,921
2522	Metal Office Furniture	STEELCASE, INC. Grand Rapids, Michigan	9,200,000
2542	Metal Partitions & Fixtures	REPUBLIC STEEL CORPORATION Canton, Ohio	2,177,893
2599	Furniture and Fixtures, NEC	SOUTHERN EQUIPMENT COMPANY A Division of McGraw-Edison Company St. Louis, Missouri	4,024,761
2600	Paper and Allied Products	MANVILLE FOREST PRODUCTS CORPORATION Plant #10 West Monroe, Louisiana	2,156,802
2611	Pulp Mills	BOWATER CAROLINA CORPORATION Catawba, South Carolina	2,272,071
2621	Paper Mills, Except Building Paper	CHAMPION PAPEL E CELULOSE, S. A. Mogi Guacu Sao Paul, Brazil	8,226,600
2631	Paperboard Mills	CONTINENTAL FOREST INDUSTRIES Plant #540 Port Wentworth, Georgia	3,018,159
2641	Paper Coating and Glazing	THE DEXTER CORPORATION Dexter Nonwovens Division Windsor Locks, Connecticut	3,312,057
2643	Bags, Except Textile Bags	UNION CAMP CORPORATION Retail Packaging Division Savannah, Georgia	2,594,518
2646	Pressed and Molded Pulp Goods	PACKAGING CORPORATION OF AMERICA Molded Pulp Macon, Georgia	1,610,107
2647	Sanitary Paper Products	PERSONAL PRODUCTS COMPANY Milltown, New Jersey	4,482,441
2650	Paperboard Containers and Boxes	THAI CONTAINERS COMPANY, LTD Division of the Siam Cement Company, LTD Bangkok, Thailand	1,020,220
2651	Folding Paperboard Boxes	INTERNATIONAL PAPER COMPANY Folding Carton Plant Clinton, Iowa	3,668,410
2653	Corrugated and Solid Fiber Boxes	INTERNATIONAL PAPER COMPANY Philadelphia Container Aldan, Pennsylvania	2,761,929
2654	Sanitary Food Containers	SEALRIGHT COMPANY, INC. Eastern Division Fulton, New York	2,392,710
2655	Fiber Cans, Drums & Similar Products	SONOCO PRODUCTS COMPANY Bolton Plant Atlanta, Georgia	1,400,884
2661	Building Paper & Board Mills	MATERIAUX DE CONSTRUCTION Canada Ltee. Pont-Rouge, Quebec	4,884,977
2731	Book Publishing	WESTERN PUBLISHING COMPANY, INC. New York, New York	2,385,625
2750	Commercial Printing	E. I. DU PONT DE NEMOURS & CO., INC. Graphics Center Boothwyn, Pennsylvania	5,354,758
2751	Commercial Printing, Letterpress	GENERAL ELECTRIC COMPANY Graphic Communications East Cleveland, Ohio	1,434,410
2752	Commercial Printing, Lithographic	WESTERN PUBLISHING COMPANY, INC. Fayetteville Plant Fayetteville, North Carolina	4,700,190
2754	Commercial Printing, Gravure	REYNOLDS METALS COMPANY Bellwood Printing Plant Richmond, Virginia	6,718,921
2761	Manifold Business Forms	STANDARD REGISTER COMPANY York, Pennsylvania	1,919,229

SIC Code	Industry	Organization	Hours Worked
2791	Typesetting	WESTERN PUBLISHING COMPANY, INC. Datapage Division O'Fallon, Missouri	1,343,488
2800	Chemicals and Allied Products	DOW CHEMICAL U.S.A Texas Operations Freeport, Texas	21,800,000
2810	Industrial Inorganic Chemicals	DIAMOND SHAMROCK CORPORATION Castle Hayne Plant Castle Hayne, North Carolina	2,968,687
2812	Alkalies and Chlorine	BASF WYANDOTTE CORPORATION Parsippany, New Jersey	8,005,022
2813	Industrial Gases	UNION CARBIDE CORPORATION Linde Division East Chicago, Indiana	3,384,069
2816	Inorganic Pigments	DU PONT SA DE CV Altamira Plant Altamira, Mexico	11,756,568
2819	Industrial Inorganic Chemicals, NEC	UNION CARBIDE CORPORATION Chickasaw, Alabama	6,913,035
2820	Plastics Materials and Synthetics	UNION CARBIDE CORPORATION Solvents & Coatings Materials Division Bound Brook, New Jersey	1,783,832
2821	Plastics Materials and Resins	E. I. DU PONT DE NEMOURS & CO., INC. Washington Works Parkersburg, West Virginia	40,864,489
2822	Synthetic Rubber	E. I. DU PONT DE NEMOURS & CO., INC. Beaumont Works Beaumont, Texas	7,264,555
2823	Cellulosic Man-Made Fibers	CELANESE CORPORATION Fibers Technical Center Charlotte, North Carolina	10,066,910
2824	Organic Fibers, Noncellulosic	E. I. DU PONT DE NEMOURS & CO., INC. Chattanooga Textile Fibers Plant Chattanooga, Tennessee	48,162,450
2830	Drugs	PFIZER, INCORPORATED Quality Control Division Groton, Connecticut	1,181,423
2831	Biological Products	ORTHO DIAGNOSTIC SYSTEMS, INC. Raritan, New Jersey	6,874,180
2833	Medicinals and Botanicals	ABBOTT LABORATORIES Chemical & Agricultural Products Division North Chicago, Illinois	4,668,085
2834	Pharmaceutical Preparations	ABBOTT LABORATORIES Hospital Products Division Rocky Mount, North Carolina	16,255,108
2840	Soap, Cleaners, and Toilet Goods	STAUFFER CHEMICAL COMPANY Industrial Division Skaneateles Falls, New York	1,044,422
2841	Soap and Other Detergents	PROCTER & GAMBLE PMC Manila, Philippines	9,163,313
2842	Polishes and Sanitation Goods	DRACKETT, INC. Franklin, Kentucky	2,812,917
2843	Surface Active Agents	VISTA CHEMICAL COMPANY Baltimore, Maryland	1,342,760
2844	Toilet Preparations	THE PROCTER & GAMBLE MANUFACTURING CO. Iowa City, Iowa	6,225,492
2851	Paints and Allied Products	DU PONT DE NEMOURS BELGIUM Mechelen Plant Mechelen, Belgium	10,009,514
2860	Industrial Organic Chemicals	TENNESSEE EASTMAN COMPANY Organic Chemicals Kingsport, Tennessee	5,025,780
2861	Gum and Wood Chemicals	HERCULES SPECIALTY CHEMICALS COMPANY Hattiesburg Plant Hattiesburg, Mississippi	3,334,252

SIC Code	Industry	Organization	Hours Worked
2865	Cyclic Crudes and Intermediates	HERCOFINA Hanover Plant Wilmington, North Carolina	3,991,525
2869	Industrial Organic Chemicals, NEC	DU PONT DUCILO SA Berazategui Works Berazategui, Argentina	31,217,962
2870	Agricultural Chemicals	FMC CORPORATION Agricultural Chemicals Division Baltimore, Maryland	3,574,195
2873	Nitrogenous Fertilizers	MADRAS FERTILIZERS LIMITED Manali, Madras Tamil Nadu, India	18,083,007
2874	Phosphatic Fertilizers	INDIAN FARMERS FERTILIZER COOPERATIVE, LTD. Kandla (Kachchh) Gujarat, India	6,312,757
2875	Fertilizers, Mixing Only	I.M.C.-N.A.M.E. Augusta Plant Augusta, Georgia	2,222,291
2879	Agricultural Chemicals, NEC	E. I. DU PONT DE NEMOURS & CO., INC. LaPorte Plant LaPorte, Texas	25,882,486
2891	Adhesives and Sealants	AMERICAN CYANAMID COMPANY Bloomingdale Plant Havre de Grace, Maryland	7,717,164
2892	Explosives	E. I. DU PONT DE NEMOURS & CO., INC. Seneca Works Seneca, Illinois	5,301,936
2893	Printing Ink	UNITED TECHNOLOGIES INMONT Printing Ink Division Charlotte, North Carolina	1,500,765
2895	Carbon Black	CABOT CORPORATION Ohio River Plant Waverly, West Virginia	1,464,935
2899	Chemical Preparations, NEC	E. I. DU PONT DE NEMOURS & CO., INC. Savannah River Plant Aiken, South Carolina	34,971,154
2900	Petroleum and Coal Products	TEXACO, INC. Research, Environment & Safety Division Port Arthur, Texas	4,542,434
2911	Petroleum Refining	SAUDI ARABIAN MARKETING AND REFINING COMPANY Yanbu Refinery Yanbu Al-Sinaiyah, Saudi Arabia	14,451,652
2952	Asphalt Felts and Coatings	THE CELOTEX CORPORATION Roofing Products Division Los Angeles, California	1,379,475
2992	Lubricating Oils and Greases	SHELL OIL COMPANY Metairie Plant Metairie, Louisiana	1,716,720
2999	Petroleum and Coal Products, NEC	FMC CORPORATION Phosphorus Chemicals Division Kemmerer, Wyoming	1,619,645
3011	Tires and Inner Tubes	FIRESTONE FRANCE S.A. Bethune, France	14,165,590
3021	Rubber and Plastics Footwear	UNIROYAL, INC. Elche Alicante, Spain	10,223,644
3041	Rubber and Plastics Hose and Belting	PRESCOTT INDUSTRIAL PRODUCTS Prescott, Arkansas	2,496,953
3069	Fabricated Rubber Products, NEC	FIRESTONE COATED FABRICS Magnolia, Arkansas	2,577,097
3079	Miscellaneous Plastics Products	E. I. DU PONT DE NEMOURS & CO., INC. Florence Plant Florence, South Carolina	18,291,183
3111	Leather Tanning and Finishing	WOLVERINE WORLD WIDE, INC. Tannery Division Rockford, Michigan	1,075,071

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3131	Boot and Shoe Cut Stock and Findings	WOLVERINE WCRLD WIDE, INC. Factory F Big Rapids, Michigan	3,313,982
3140	Footwear, Except Rubber	STRIDE RITE CORPORATION Hamilton Division Hamilton, Missouri	2,092,883
3142	House Slippers	WOLVERINE WORLD WIDE, INC. Frolic Division Monette, Arkansas	1,385,148
3149	Footwear, Except Rubber, NEC	GENESCO, INCORPORATED Footwear Manufacturing Nashville, Tennessee	2,698,215
3200	Stone, Clay and Glass Products	LIBBEY-OWENS-FORD COMPANY Executive Offices Toledo, Ohio	2,225,818
3211	Flat Glass	PPG INDUSTRIES, INC. Works #6 Carlisle, Pennsylvania	8,590,512
3221	Glass Containers	ANCHOR HOCKING CORPORATION Plant #5 Connellsville, Pennsylvania	3,375,630
3229	Pressed and Blown Glass, NEC	PPG INDUSTRIES, INC. Works #53 Lexington, North Carolina	17,340,329
3231	Products of Purchased Glass	BECTON-DICKINSON & COMPANY Columbus Plant Columbus, Nebraska	10,534,548
3241	Cement, Hydraulic	IDEAL BASIC INDUSTRIES, INC. Ada Plant Ada, Oklahoma	4,652,966
3253	Ceramic Wall and Floor Tile	THAI CERAMIC COMPANY, LTD Division of the Siam Cement Company, LTD Saraburi, Thailand	4,621,516
3255	Clay Refractories	A.P. GREEN REFRACTORIES Mexico Plant Mexico, Missouri	2,993,564
3272	Concrete Products, NEC	APAC, INCORPORATED Arkhola Sand-Gravel Fort Smith, Arkansas	2,118,223
3275	Gypsum Products	WEYERHAEUSER COMPANY Briar Plant Briar, Arkansas	3,025,059
3292	Abestos Products	THE SIAM FIBRE CEMENT COMPANY, LTD. Tung Song Plant Tung Song, Thailand	2,923,755
3295	Minerals, Ground or Treated	3M COMPANY Industrial Mineral Products Little Rock, Arkansas	1,893,708
3296	Mineral Wool	CERTAINTEED CORPORATION Insulation Group Athens, Georgia	1,867,218
3297	Nonclay Refractories	CORHART REFRACTORIES A Division of Corning Glass Works Buckhannon, West Virginia	6,913,215
3300	Primary Metal Industries	UNION CARBIDE CORPORATION Niagara Falls, New York	4,787,135
3312	Blast Furnaces and Steel Mills	FORD MOTOR COMPANY Finishing Operations Maintenance Dearborn, Michigan	3,110,647
3313	Electrometallurgical Products	UNION CARBIDE CORPORATION Metals Division Marietta, Ohio	9,601,853
3315	Steel Wire and Related Products	GK TECHNOLOGIES, INC. General Cable Company Lawrenceburg, Kentucky	1,102,138

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3316	Cold Finishing of Steel Shapes	COOPER STEEL Division of CooperTools Greenville, Mississippi	1,010,367
3317	Steel Pipe and Tubes	BHARAT HEAVY ELECTRICALS, LTD. Seamless Steel Tube Tamil Nadu, India	5,886,094
3320	Iron and Steel Foundries	GENERAL MOTORS CORPORATION Central Foundry Division Defiance, Ohio	8,356,085
3321	Gray Iron Foundries	MEAD CORPORATION Lynchburg Foundry Radford, Virginia	3,582,050
3325	Steel Foundries, NEC	ABEX CORPORATION Waukesha Foundry Division Waukesha, Wisconsin	3,792,173
3330	Primary Nonferrous Metals	FORD MOTOR COMPANY Aluminum Casting Plant Sheffield, Alabama	1,116,806
3331	Primary Copper	U.S. METALS REFINING COMPANY Subsidiary of AMAX Carteret, New Jersey	3,004,729
3334	Primary Aluminum	SURINAME ALUMINUM COMPANY Paranam Operations Paranam, Suriname	7,367,617
3341	Secondary Nonferrous Metals	REYNOLDS METALS COMPANY Alabama Reclamation Plant Sheffield, Alabama	3,260,748
3351	Copper Rolling and Drawing	OLIN CORPORATION Somers Thinstrip, Brass Division Waterbury, Connecticut	1,241,886
3353	Aluminum Sheet, Plate and Foil	REYNOLDS METALS COMPANY Listerhill Alloys Sheffield, Alabama	14,263,215
3354	Aluminum Extruded Products	ALUMAX EXTRUSIONS, INC. Hernando Plant Hernando, Mississippi	2,091,160
3355	Aluminum Rolling and Drawing, NEC	HOOVER UNIVERSAL, INC. Aluminum Division Franklin, Georgia	2,477,987
3356	Nonferrous Wire Rolling and Drawing, NEC	ENGELHARD CORPORATION Engineered Materials Division Carteret, New Jersey	2,546,432
3357	Nonferrous Wire Drawing and Insulating	AT & T TECHNOLOGIES, INC. Omaha Works Omaha, Nebraska	3,204,952
3361	Aluminum Foundries	GENERAL MOTORS CORPORATION Central Foundry Division Massena, New York	3,373,215
3369	Nonferrous Foundries, NEC	AEROJET HEAVY METALS COMPANY Jonesborough Facility Jonesborough, Tennessee	1,231,562
3399	Primary Metal Products, NEC	REYNOLDS METALS COMPANY Plant No. 3 Louisville, Kentucky	1,058,438
3400	Fabricated Metal Products	REMINGTON ARMS COMPANY, INC. Administrative Offices & Miscellaneous Bridgeport, Connecticut	1,489,906
3411	Metal Cans	REYNOLDS METALS COMPANY Bristol End Plant Bristol, Virginia	13,869,634
3423	Hand and Edge Tools, NEC	WELLER/WIRE-WRAP Division of CooperTools Cheraw, South Carolina	4,707,054
3425	Hand Saws and Saw Blades	NICHOLSON SAW Division of CooperTools Greenville, Mississippi	1,619,698

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3432	Plumbing Fittings & Brass Goods	STANADYNE, INC. Moen Group Sanford, North Carolina	2,140,353
3440	Fabricated Structural Metal Products	DIAMOND SHAMROCK CORPORATION Electrolytic Systems Chardon, Ohio	1,637,633
3441	Fabricated Structural Metal	RILEY-BEAIRD, INC. A Division of Ashland Oil Corporation Shreveport, Louisiana	2,043,085
3442	Metal Doors, Sash, and Trim	REYNOLDS METALS COMPANY Building Products Plant Ashville, Ohio	2,968,308
3443	Fabricated Plate Work (Boiler Shops)	BHARAT HEAVY ELECTRICALS LIMITED High Pressure Boiler Plant, Tiruchirapalli Tamil Nadu, India	11,251,264
3446	Architectural Metal Work	PPG INDUSTRIES, INC. Works #19 Kokomo, Indiana	2,586,400
3448	Prefabricated Metal Buildings	FARMLAND INDUSTRIES Steel Products Plant Hutchinson, Kansas	1,150,326
3452	Bolts, Nuts, Rivets, and Washers	REXNORD, INC. Specialty Fastener Division Hasbrouck Heights, New Jersey	1,179,454
3462	Iron and Steel Forgings	FORD MOTOR COMPANY Canton Forge Plant Canton, Ohio	3,331,069
3465	Automotive Stampings	FORD MOTOR COMPANY Body & Assembly Buffalo Stamping Plant Buffalo, New York	11,491,903
3469	Metal Stampings, NEC	DU PONT FAR EAST, INC. Chungli Plant Chungli, Taiwan	15,792,278
3479	Metal Coating and Allied Services	UNION CARBIDE CORPORATION Coatings Service Department Speedway Production Indianapolis, Indiana	2,057,885
3482	Small Arms Ammunition	REMINGTON ARMS COMPANY Bridgeport Plant Bridgeport, Connecticut	11,388,760
3483	Ammunition, Except for Small Arms, NEC	MARTIN MARIETTA ENERGY SYSTEMS, INC. Y-12 Plant Oak Ridge, Tennessee	14,328,059
3484	Small Arms	E. I. DU PONT DE NEMOURS & CO., INC. Ilion Plant Ilion, New York	14,778,676
3494	Valves and Pipe Fittings	FMC CORPORATION Fluid Control Stephenville, Texas	2,631,062
3497	Metal Foil and Leaf	REVERE COPPER & BRASS, INC. Newport Foil Division Newport, Arkansas	2,151,962
3499	Fabricated Metal Products, NEC	SIGNODE CORPORATION Engineering & Research Glenview, Illinois	1,992,111
3500	Machinery, Except Electrical	KOEHRING COMPANY Corporate Office Milwaukee, Wisconsin	2,145,895
3511	Turbines and Turbine Generator Sets	MCGRAW-EDISON COMPANY Wellsville, New York	3,090,923
3519	Internal Combustion Engines, NEC	CATERPILLAR TRACTOR COMPANY Davenport, Iowa	12,994,302
3523	Farm Machinery and Equipment	DEERE & COMPANY John Deere Engine Works Waterloo, Iowa	4,370,537

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3530	Construction and Related Machinery	BUCYRUS-ERIE COMPANY Pocatello Plant Pocatello, Idaho	2,786,885
3531	Construction Machinery	J.I. CASE COMPANY Burlington Plant Burlington, Iowa	3,442,011
3532	Mining Machinery	JARVIS CLARK COMPANY, LTD Burlington, Ontario, Canada	3,410,545
3533	Oil Field Machinery	FMC CORPORATION Wellhead Equipment Division Brownwood, Texas	1,541,215
3535	Conveyors and Conveying Equipment	FMC CORPORATION Material Handling Equipment Division Homer City, Pennsylvania	1,416,562
3540	Metalworking Machinery	FORD MOTOR COMPANY Body & Assembly Dearborn Tool & Die Plant Dearborn, Michigan	6,726,959
3542	Machine Tools, Metal Forming Types	REYNOLDS METALS COMPANY Machinery Plant Richmond, Virginia	1,247,211
3544	Special Dies, Tools, Jigs & Fixtures	ARONSON MACHINE COMPANY Cutting Machine Operations Arcade, New York	2,560,000
3546	Power Driven Hand Tools	THE SINGER COMPANY Motor Products Division Clarksville, Arkansas	1,309,242
3549	Metalworking Machinery, NEC	UNION CARBIDE CORPORATION Linde Division-Weld Products Florence, South Carolina	5,480,460
3551	Food Products Machinery	FMC CORPORATION Food Processing Machinery Division Hoopeston, Illinois	2,956,639
3552	Textile Machinery	PROCTOR & SCHWARTZ, INC. Division of SCM Corporation Lexington, North Carolina	1,271,362
3555	Printing Trades Machinery	REYNOLDS METALS COMPANY Southern Gravure Service, Inc. Louisville, Kentucky	5,825,319
3559	Special Industry Machinery, NEC	E. I. DU PONT DE NEMOURS & CO., INC. Wilmington Shops Wilmington, Delaware	5,868,320
3561	Pumps and Pumping Equipment	TRANSAMERICA DELAVAL, INC. Pyramid Pump Division Monroe, North Carolina	1,370,336
3562	Ball and Roller Bearings	TORRINGTON COMPANY Clinton Plant Clinton, South Carolina	2,865,808
3566	Speed Changers, Drives, and Gears	FUNK MANUFACTURING Division of Cooper Industries Coffeyville, Kansas	1,608,380
3567	Industrial Furnaces and Ovens	FERRO CORPORATION Temtek-Allied Cleveland Plant Cleveland, Ohio	2,654,978
3568	Power Transmission Equipment, NEC	DUFF-NORTON COMPANY Coupling Plant Charlotte, North Carolina	1,628,144
3569	General Industrial Machinery, NEC	INCOM INTERNATIONAL INC. Air-Maze Division Cleveland, Ohio	1,590,674
3570	Office and Computing Machines	3M COMPANY Staff Manufacturing Menomonie, Wisconsin	1,978,008
3573	Electronic Computing Equipment	IBM CORPORATION GTD Endicott Lab Endicott, New York	5,112,501

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3579	Office Machines, NEC	3M COMPANY Electronic-Mechanical Resources Division Cynthiana, Kentucky	2,295,057
3585	Refrigeration and Heating Equipment	FORD MOTOR COMPANY Climate Control Division Sheldon Road Plant Plymouth, Mighigan	6,392,378
3586	Measuring and Dispensing Pumps	GILBARCO, INC. Greensboro, North Carolina	3,000,000
3599	Machinery, Except Electrical, NEC	3M COMPANY Machine Shop Staples, Minnesota	1,053,266
3600	Electric and Electronic Equipment	ITT GILFILLAN R & D Manufacturing Van Nuys, California	1,614,498
3610	Electric Distributing Equipment	MCGRAW-EDISON COMPANY Utility & Industrial Operations Franksville, Wisconsin	1,536,429
3612	Transformers	WESTINGHOUSE ELECTRIC CORPORATION Small Power Transformer Division South Boston, Virginia	3,259,265
3621	Motors and Generators	BENDIX CORPORATION Electronic Power Division Eatontown, New Jersey	3,522,921
3622	Industrial Controls	SQUARE D COMPANY Asheville, North Carolina	4,565,432
3624	Carbon and Graphite Products	UNION CARBIDE CORPORATION Carbon Products Division Columbia, Tennessee	7,169,976
3631	Household Cooking Equipment	MAGIC CHEF COMPANY Cleveland, Tennessee	5,300,000
3634	Electric Housewares and Fans	FIELDCREST CANNON INC. Smithfield, North Carolina	2,771,539
3636	Sewing Machines	THE SINGER COMPANY Motor Products Division Anderson, South Carolina	5,510,851
3639	Household Appliances, NEC	RHEEM MANUFACTURING COMPANY Montgomery, Alabama	2,679,258
3640	Electric Lighting and Wiring Equipment	MCGRAW-EDISON COMPANY Halo Lighting Division Elk Grove Village, Illinois	2,059,815
3641	Electric Lamps	GENERAL ELECTRIC COMPANY Ohio Lamp Plant Warren, Ohio	5,903,888
3643	Current-Carrying Wiring Devices	HARVEY HUBBELL, INC. Bridgeport, Connecticut	2,201,298
3646	Commercial Lighting Fixtures	LITHONIA LIGHTING Lithonia West City of Industry, California	1,337,298
3648	Lighting Equipment, NEC	CROUSE-HINDS LIGHTING Division of Cooper Industries Vicksburg, Mississippi	1,249,394
3661	Telephone and Telegraph Apparatus	ITT TELECOM Manufacturing Division Corinth, Mississippi	11,717,294
3662	Radio & TV Communication Equipment	WESTINGHOUSE ELECTRIC CORPORATION Systems Development Division Baltimore, Maryland	3,384,731
3674	Semiconductors Related Devices	WESTERN ELECTRIC COMPANY Allentown Works Allentown, Pennsylvania	16,219,46
3675	Electronic Capacitors	UNION CARBIDE CORPORATION Electronics Division, Components Dept. Greenville, South Carolina	12,730,545

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3678	Electronic Connectors	AMP INCORPORATED Harrisburg, Pennsylvania	3,606,388
3679	Electronic Components, NEC	GENERAL ELECTRIC COMPANY Neutron Devices Department St. Petersburg, Florida	9,665,511
3692	Primary Batteries, Dry and Wet	UNION CARBIDE CORPORATION Battery Products Division Asheboro, North Carolina	7,472,095
3694	Engine Electrical Equipment	ALLIED SIGNAL, INC. Autolite Division Fostoria, Ohio	3,048,207
3699	Electrical Equipment & Supplies, NEC	GENERAL ELECTRIC COMPANY Austintown Coil Plant Cleveland, Ohio	7,843,382
3711	Motor Vehicles & Car Bodies	FORD MOTOR COMPANY Transmission & Chassis Office Livonia, Michigan	13,833,957
3714	Motor Vehicle Parts & Accessories	GENERAL MOTORS CORPORATION Fisher Body Division Fort Street Plant Detroit, Michigan	8,151,336
3715	Truck Trailers	GREAT DANE TRAILERS Savannah, Georgia	4,299,212
3721	Aircraft	GULFSTREAM AEROSPACE CORPORATION Savannah, Georgia	2,314,279
3728	Aircraft Equipment, NEC	ALLIED-BENDIX AEROSPACE F.S.D. Montrose Plant South Montrose, Pennsylvania	6,681,317
3731	Ship Building and Repairing	U.S. NAVAL SHIP REPAIR FACILITY Yokosuka, Japan	4,235,082
3732	Boat Building and Repairing	ASHLAND PETROLEUM COMPANY Marine Repair Terminal Russell, Kentucky	1,091,795
3743	Railroad Equipment	MORRISON KNUDSEN COMPANY, INC. Power Systems Division Rocky Mount, North Carolina	1,418,355
3761	Guided Missiles and Space Vehicles	MARTIN MARIETTA CORPORATION Canaveral Operations Cocoa Beach, Florida	7,176,966
3764	Space Propulsion Units and Parts	HERCULES, INCORPORATED Radford Army Ammunition Plant Radford, Virginia	18,380,875
3769	Space Vehicle Equipmnet, NEC	MARTIN MARIETTA CORPORATION Michoud Aerospace New Orleans, Louisiana	14,302,353
3795	Tanks and Tank Components	FMC CORPORATION Ground Systems Division Aiken, South Carolina	4,530,245
3811	Engineering & Scientific Instruments	BENDIX CORPORATION Instruments & Life Support Division Davenport, Iowa	2,749,943
3820	Measuring and Controlling Devices	MEASUREMENTS GROUP, INC. Micro-Measurements Division Romulus, Michigan	1,016,674
3822	Enviromental Controls	THE SINGER COMPANY Controls Division Schiller Park, Illinois	2,200,600
3823	Process Control Instruments	DRESSER INDUSTRIES Instrument Division Berea, Kentucky	1,334,949
3825	Instruments to Measure Electricity	FAIRCHILD WESTON SYSTEMS, INC. Weston Controls Achbald, Pennsylvania	1,759,515
3832	Optical Instruments and Lenses	AMERICAN CYANAMID COMPANY Glendale Optical Woodbury, New Jersey	1,538,921

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3841	Surgical and Medical Instruments	E. I. DU PONT DE NEMOURS & CO., INC. Glasgow Plant Newark, Delaware	45,321,941
3842	Surgical Appliances and Supplies	ETHICON, INCORPORATED San Angelo, Texas	19,200,000
3843	Dental Equipment and Supplies	"A" COMPANY, INC. A Johnson & Johnson Company San Diego, California	4,643,025
3861	Photographic Equipment and Supplies	E. I. DU PONT DE NEMOURS & CO., INC. Towanda Plant Towanda, Pennsylvania	21,439,501
3873	Watches, Clocks, and Watchcases	WESTCLOX, U.S. A Division of General Time Athens, Georgia	1,000,000
3931	Musical Instruments	KIMBALL PIANO & ORGAN COMPANY Electronic Organ Division Jasper, Tennessee	1,785,219
3944	Games, Toys, and Children's Vehicles	ERTL COMPANY Dyersville, Iowa	1,872,460
3949	Sporting and Athletic Goods, NEC	BRUNSWICK CORPORATION Consumer Division Albany, Georgia	2,413,208
3991	Brooms and Brushes	PPG INDUSTRIES, INC. C & R Division Baltimore, Maryland	1,776,789
3995	Burial Caskets	BATESVILLE CASKET COMPANY Manchester, Tennessee	1,000,000
3996	Hard Surface Floor Coverings	CONGOLEUM CORPORATION Trenton, New Jersey	1,560,008
4013	Switching and Terminal Services	DULUTH MISSABE & IRON RANGE RAILWAY CO. Electrical, Signal & Communications Department Proctor, Minnesota	1,128,187
4151	School Buses	WILSON SCHOOL DISTRICT Transportation Westlawn, Pennsylvania	1,100,600
4213	Trucking Except Local	SPRINGS INDUSTRIES Transportation Complex Lancaster, South Carolina	1,405,764
4214	Local Trucking and Storage	BASF CORPORATION Trucking & Distribution Center Mebane, North Carolina	1,630,280
4226	Special Warehousing and Storage, NEC	JOHNSON & JOHNSON PRODUCTS, INC. Midwest Distribution Center Lemont, Illinois	3,084,483
4411	Deep Sea Foreign Transportation	LYKES BROS. STEAMSHIP COMPANY S.S. Louise Lykes New Orleans, Louisiana	1,514,368
4431	Great Lakes Transportation	FORD MOTOR COMPANY Steel Division, Marine Operations Dearborn, Michigan	3,700,696
4441	Transportation on Rivers and Canals	EXXON COMPANY U.S.A. Gulf Coast Branch-IWW Baton Rouge, Louisiana	3,233,328
4582	Airports and Flying Fields	MARTIN MARIETTA AEROSPACE External Tank Operations Kennedy Space Center, Florida	2,674,748
4600	Pipe Lines, Except Natural Gas	TEXAS EASTERN TRANSMISSION CORPORATION Eastern Division Houston, Texas	1,092,944
4612	Crude Petroleum Pipe Lines	CONTINENTAL PIPELINE COMPANY Crude Pipe Line Houston, Texas	3,549,119
4613	Refined Petroleum Pipe Lines	INDIAN OIL CORPORATION, LTD. Koyali-Ahmedabad Products Pipelines Jawaharnagar, Baroda, India	3,096,264

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4811	Telephone Communication	AT & T CONSUMER PRODUCTS Document Development Winston-Salem, North Carolina	2,519,258
4899	Communication Services, NEC	CONTEL FEDERAL SYSTEMS Fairfax, Virginia	5,638,880
4900	Electric, Gas, and Sanitary Services	CONSOLIDATED EDISON CO. OF NEW YORK Building Services Department New York, New York	3,094,053
4911	Electric Services	TU ELECTRIC Generating Division Dallas, Texas	10,266,103
4922	Natural Gas Transmission	TEXAS EASTERN GAS PIPELINE Baytown Area Baytown, Texas	4,937,958
4923	Gas Transmission & Distribution	GREAT PLAINS NATURAL GAS COMPANY Fergus Falls, Minnesota	1,490,084
4924	Natural Gas Distribution	CONSUMERS POWER COMPANY Metro Region Royal Oak, Michigan	5,013,490
4925	Gas Production and/or Distribution	COLUMBIA LNG CORPORATION Green Springs SNG Plant Green Springs, Ohio	1,782,270
4930	Combination Utility Services	CONSUMERS POWER COMPANY Total Company Jackson, Michigan	6,100,000
4931	Electric and Other Services Combined	PUBLIC SERVICE COMPANY OF COLORADO Systems Engineering Denver, Colorado	4,000,000
4932	Gas and Other Services Combined	CONSUMERS POWER COMPANY Jackson, Michigan	5,600,000
4939	Combination Utility Services, NEC	PUBLIC SERVICE COMPANY OF COLORADO Electrical Engineering and Planning Denver, Colorado	5,000,025
4953	Refuse Systems	BROWNING-FERRIS INDUSTRIES, INC. Administration Office Houston, Texas	2,489,372
5023	Home Furnishings	RIEGEL TEXTILE CORPORATION LaFrance Fabrics Division LaFrance, South Carolina	2,122,806
5051	Metals Service Centers and Offices	JOSEPH T. RYERSON & SON, INC Minneapolis, Minnesota	2,384,022
5083	Farm Machinery and Equipment	JOHN DEERE COMPANY Sales Branch Columbus, Ohio	1,438,224
5086	Professional Equipment and Supplies	CHROMALLOY NATURAL RESOURCES COMPANY Delta Safety & Supply Company Houma, Louisiana	1,418,283
5113	Industrial & Personal Service Paper	MEAD MERCHANTS Chatfield Paper Cincinnati, Ohio	1,687,060
5122	Drugs, Proprietaries, and Sundries	JOHNSON & JOHNSON INTERNATIONAL Export Plant North Brunswick, New Jersey	1,828,656
5143	Dairy Products	KRAFT, INCORPORATED Distribution Center Champaign, Illinois	1,479,355
5161	Chemicals and Allied Products	DOW CHEMICAL U.S.A. Marketing Field Sales Midland, Michigan	32,268,000
5170	Petroleum and Petroleum Products	CELERON OIL & GAS COMPANY, INC. Lafayette, Louisiana	1,011,116
5171	Petroleum Bulk Stations & Terminals	ESSO COLOMBIANA S.A. Bogota, Columbia	3,916,060

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5172	Petroleum Products, NEC	UNOCAL Southern Division Atlanta, Georgia	2,634,640
5541	Gasoline Service Stations	PHILLIPS PETROLEUM COMPANY Retail Marketing Dallas, Texas	3,395,597
5699	Miscellaneous Apparel & Accessories	RIEGEL TEXTILE CORPORATION Distribution Services Facilities Charlotte, North Carolina	1,370,802
6153	Short-term Business Credit	DEERE & COMPANY Deere Credit Services West Des Moines, Iowa	1,579,208
7011	Hotels, Motels, and Tourist Courts	E. I. DU PONT DE NEMOURS & CO., INC. Hotel Du Pont Wilmington, Delaware	4,063,885
7347	Buildings & Grounds Maintenance and Services	E. I. DU PONT DE NEMOURS & CO., INC. General Services Division Wilmington, Delaware	11,590,776
7374	Data Processing Services	CONSOLIDATED EDISON CO. OF NEW YORK, INC. Data Processing Services New York, New York	2,928,376
7391	Research & Development Laboratories	OAK RIDGE NATIONAL LABORATORY Union Carbide Corporation, Nuclear Division Oak Ridge, Tennessee	17,907,911
7394	Equipment Rental & Leasing	ACF INDUSTRIES, INC. Shippers Car Lane Division St. Charles, Missouri	1,477,944
7699	Repair Services, NEC	3M COMPANY ES & SD - Central District Saint Paul, Minnesota	1,301,978
7996	Amusement Parks	BUSCH ENTERTAINMENT CORPORATION The Dark Continent Tampa, Florida	5,045,022
7997	Membership Sports & Recreation Clubs	E. I. DU PONT DE NEMOURS & CO., INC. Du Pont Country Club Wilmington, Delaware	3,254,545
8062	General Medical & Surgical Hospitals	NORTHERN HOSPITAL OF SURRY COUNTY Mount Airy, North Carolina	1,639,761
8211	Elementary and Secondary Schools	BANGOR AREA SCHOOLS Bangor, Wisconsin	1,588,100
8331	Job Training and Related Services	INLAND EMPIRE Goodwill Industries Spokane, Washington	2,113,404
8911	Engineering & Architectural Services	FLUOR ENGINEERS INCORPORATED Houston Division Sugar Land, Texas	8,222,695
8922	Noncommercial Research Organizations	BATTELLE MEMORIAL INSTITUTE Battelle Columbus Division Columbus, Ohio	1,216,000
0001	Offices	BASF CORPORATION, FIBERS DIVISION Enka Operations Enka, North Carolina	13,063,516
0002	Research & Development or Laboratory	E. I. DU PONT DE NEMOURS & CO., INC. Jackson Laboratory Deepwater, New Jersey	33,342,940
0003	Warehouse or Storage Yard	SPRINGS INDUSTRIES, INC. Warehousing and Shipping Lancaster, South Carolina	1,299,537

Definitions

The definitions below are from the Recordkeeping Requirements Under the Occupational Safety and Health Act of 1970 (revised 1978). All incidence rates in this booklet are based on data compiled in accordance with these requirements which are mandatory for most United States employers and must be followed by all reporters to the National Safety Council.

The definitions are under two sections:

I. Recordable Cases

Recordable occupational injuries and illnesses are:

1) **Occupational deaths,** regardless of the time between injury and death, or the length of the illness; or

2) **Occupational illnesses;** or

3) **Occupational injuries** which involve one or more of the following: loss of consciousness, restriction of work or motion, transfer to another job, or medical treatment (other than first aid).

Note: Any case which involves lost workdays must be recorded since it always involves one or more of the criteria for recordability.

Occupational injury is any injury such as a cut, fracture, sprain, amputation, etc., which results from a work accident or from an exposure involving a single incident in the work environment.

Note: Conditions resulting from animal bites or stings, such as by insects or snakes, or from one-time exposure to chemicals are considered to be injuries.

Occupational illness of an employee is any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or diseases which may be caused by inhalation, absorption, ingestion, or direct contact.

Medical treatment includes treatment (other than first aid) administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does NOT include first aid treatment (one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care) even though provided by a physician or registered professional personnel.

Work environment is comprised of the physical location, equipment, materials processed or used, and the kinds of operations performed by an employee in the performance of his work, whether on or off the employer's premises.

II. Classification of Recordable Cases

Total recordable cases. The sum of all Recordable Occupational Injuries and Illnesses, including Deaths, Lost Workday Cases and Nonfatal Cases Without Lost Workdays as defined below.

Deaths. Occupational Deaths, regardless of the time between injury and death, or the length of illness.

Total lost workday cases. The sum of cases involving
Days away from work as defined below, and/or
Days of restricted activity as defined below.

Note: A Lost Workday Case may involve either type of lost workdays, or both.

Nonfatal cases without lost workdays. The sum of cases which involve one or more of the following: loss of consciousness, restriction of work or motion, transfer to another job, or medical treatment (other than first aid), but which *do not* result in Death or Lost Workdays (either Days Away From Work or Days of Restricted Work Activity). These are primarily cases involving medical treatment only.

Definitions (Continued)

Total lost workdays. The sum of Days Away From Work and Days of Restricted Work Activity, as defined below.

Days away from work. The number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness. The number of lost workdays should not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work.

Note: For employees not having regularly scheduled shift, i.e., certain truck drivers, construction workers, farm laborers, casual laborers, part-time employees, etc., it may be necessary to estimate the number of lost workdays.

Estimates of lost workdays shall be based on prior work history of the employee AND days worked by employees, not ill or injured, working in the department and/or occupation of the ill or injured employee.

Days of restricted work activity. The number of workdays (consecutive or not) on which because of injury or illness:

1) the employee was assigned to another job on a temporary basis, or
2) the employee worked at a permanent job less than full time, or
3) the employee worked at a permanently assigned job but could not perform all duties normally connected with it.

The number of lost workdays should not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work.

$$\textbf{Incidence rates} = \frac{\text{Number of Cases } \textbf{or} \text{ Days} \times 200{,}000}{\text{Employee hours}}$$

200,000 = base for 100 fulltime equivalent workers (working 40 hours per week 50 weeks per year)

An incidence rate can be computed for each category of Cases or Days.

$$\textbf{Average lost workdays per total lost workday cases} = \frac{\text{Total Lost Workdays}}{\text{Total Lost Workday Cases}}$$

$$\textbf{Average days away from work} = \frac{\text{Total Days Away From Work}}{\text{Total Cases Involving Days Away From Work}}$$

Publications containing additional information:

1. A Brief Guide to Recordkeeping Requirements for Occupational Injuries and Illnesses. U.S. Department of Labor, Bureau of Labor Statistics.

2. Recordkeeping Requirements Under the Occupational Safety and Health Act of 1970 (revised 1978). U.S. Department of Labor, Occupational Safety and Health Administration.

3. American National Standard for Uniform Recordkeeping for Occupational Injuries and Illnesses. American National Standards Institute, Inc. ANSI Z16.4-1977. This Standard is compatible with the Recordkeeping Requirements Under the Occupational Safety and Health Act (1975 and 1978 revisions).

THE OCCUPATIONAL SAFETY/HEALTH AWARD PROGRAM

The Occupational Safety/Health Award Program is a non-competitive program open only to National Safety Council Employer Members, at no additional cost. The program is designed to promote the prevention of occupational injuries and illnesses.

Currently, over 8,000 organizations participate in the program, representing 42 principal industries throughout the world.

The program provides recognition for every organization that completes a calendar year with a perfect safety record—no injuries or illnesses involving days away from work, or deaths. Organizations *with* non-perfect records may also earn recognition if they meet certain criteria. Here's how the program works:

Member organizations submit an annual report form, based on the OSHA 200 log, summarizing their occupational injury and illness record for a specified time. Awards are presented to organizations which meet predetermined standards. There are *five* levels of recognition under this program:

1. Distinguished Achievement in Occupational Safety and Health Award

This is the most prestigious award that any organization can receive from the National Safety Council. Only three of these awards are given out each year. They are presented to the small, medium, and large company with the best safety performance of all participating companies.

2. Award of Honor

There are three different ways an organization may earn this honor:
- by accumulating 3,000,000 or more perfect employee-hours.
- by establishing the highest perfect record in a specific Standard Industrial Classification (SIC) Code.
- by reducing the incidence rates as required by the program criteria.

3. Award of Merit

This Award is earned by accumulating between 1,000,000 and 2,999,999 perfect employee-hours or by reducing the incidence rates as required by the program criteria.

4. Award of Commendation

This award is earned by accumulating between 200,000 and 999,999 perfect employee-hours.

5. President's Citation Letter

This award is earned by attaining a perfect employee-hour record of 200,000 or less.

Interim Awards

This award is presented for a perfect record that is attained within a calendar year. An organization must have a minimum of 1,000,000 perfect employee-hours and meet other specific requirements. Awards must be applied for with an "Interim Award Application Form."

For more information please contact:

Safety & Health Motivation Programs
National Safety Council
444 N. Michigan Avenue
Chicago IL 60611
(312) 527-4800 Ext. 7318
or
(800) 621-7619

NOTES

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